INVACARE

Yes, you can.®

User Manual

Invacare Rea Azalea Wheelchair

English

rea Azalea® Assist

rea Azalea®

rea Azalea® Base

rea Azalea® Tall

rea Azalea® Minor

rea Azalea® Max

rea®

Confidence in posture solutions

CE

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1. General

1.1 INTRODUCTION

Rea® Azalea is a wheelchair with many adjustment possibilities and accessories. To ensure that you benefit as much as possible from Rea® Azalea, and in order to do its options justice, the chair must be tested and adjusted by competent personnel. You should also receive instructions on how to use your Rea® Azalea in everyday life.

This manual includes a description of the parts of the chair, simple adjustment options, how to use the Rea® Azalea safely and how to transport it. The manual must be read thoroughly before the wheelchair is used.

Also included in this manual is a description of how accessories are fitted and slightly more advanced settings.

As the Rea® Azalea has many different components and accessories, the appearance of the accessories you have for your chair may differ from those shown.

Symbols and signal words are used in this manual and apply to hazards or unsafe practices which could result in personal injury or property damage. See the information below for definitions of the signal words.

Warning
Warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury

Caution
Caution indicates a potentially hazardous situation which, if not avoided, may result in property damage or minor injury or both

Important
Indicates a hazardous situation that could result in damage to property if it is not avoided

1.3 WARRANTY

We provide a two-year guarantee from the delivery date. Damage due to wear and tear on upholstery, tyres, (rubber) tubes, hand rims and castors etc., is not covered by the guarantee. Damage that has been caused through physical violence or abnormal use is not covered. Damage caused by users who weigh more than the maximum user weight stated for each Rea Azalea model is not covered. The guarantee will only apply if the maintenance instructions are followed.

1.4 LIMITATION OF LIABILITY

Invacare Rea AB accepts no liability for damage arising from:

- Non-compliance with the User Manual
- Incorrect use
- Natural wear and tear
- Incorrect assembly or set-up by the purchaser or a third party
- Technical modifications
- Unauthorised modifications and/or use of unsuitable spare parts

The written authorisation of Invacare Rea AB must be obtained before installing additional adaptations on a Invacare Rea wheelchair. Otherwise no liability claims can be made.

1.5 COPYRIGHT PROTECTION

All information quoted is believed to be correct at time of print. Invacare® reserves the right to alter product specifications without prior consultation. Rea, Rea design and DSS (Dual Stability System) design are registered trademarks of Invacare® International.

1.6 CUSTOMER SERVICE

For contact details please refer to the last page of this publication where you will find addresses to the european sales companies.

1.7 ACCIDENTS/NEAR ACCIDENTS

Please inform your Invacare office immediately of any accidents or near-accidents that have been caused by this wheelchair and that have led to, or could have led to, personal injury. The relevant authority must also be contacted and reported to.

1.8 TESTING

The Rea® Azalea has been tested and approved by TÜV and is CE-marked according to the Medical Device Directive.

1.9 INTENDED USE

1.9.1 REA AZALEA GENERAL

The Rea® Azalea is a manual wheelchair, intended for passive users, both dependant and semi-dependant, who remain seated for long periods of time. Regarding both operation and adjustment of seating position, the Rea® Azalea is intended for operation by the user or carer.

- The Rea® Azalea must be used with its seat and a backrest system.
- The Rea Azalea is intended for use both indoor and outdoor use.
- Max. user weight is 135 kg.
- The service life of the chair depends on its application, the user's degree of activity as well as care and maintenance.

The Azalea range is CE-marked, but when the Rea® Azalea is ordered without backrest, it is not to be considered as a complete product. Only when the base and the backrest system have been combined, an evaluation of the safety can be done. It rests upon the company that mounts the backrest system to perform a final risk assesment.
However, if there is an agreement between Invacare and the manufacturer of the backrest system that regulates the responsibility between the companies, the product can maintain it's CE-marking. In other cases, the company mounting the backrest system will be responsible for the CE-marking or that the chair will follow the rules for "custom-made devices" according to the European Directive 93/42/EEC concerning medical devices as a specially made medical technical product.

The Rea® Azalea has been crash tested together with the Invacare "Flex 2" and "Flex 3" standard backrest. All configurations, are tested together with REA neckrest. Invacare can in no way predict the effect of an accident with other configurations.

1.9.2 REA AZALEA MINOR

The Rea® Azalea Minor is intended for smaller adults and teenagers, who are passive users, both semi-dependant and dependant.

- Max user weight is 75 kg.
- Please note that the harness has to be fitted and adjusted by a trained therapist.

1.9.3 REA AZALEA BASE

The Rea® Azalea Base is a part of the Azalea family as a wheelchair base for different seating systems such as individually adapted anatomic seats manufactured by different companies. The Rea® Azalea Base is intended for use both indoors and outdoors. The maximum allowed weight load on the Rea® Azalea Base is 135 kg. This includes both user and seating system.

The Azalea range is CE-marked, but since the Rea® Azalea Base is not to be considered as a complete product. Only when the base and the seating system have been combined, an evaluation of the safety can be done It rests upon the company that mounts the seating system to perform a final risk assesment.
However, if there is an agreement between Invacare and the manufacturer of the seating system that regulates the responsibility between the companies, the product can maintain its CE-marking. In other cases, the company mounting the seating system will be responsible for the CE-marking or that the chair will follow the rules for "custom-made devices" according to the European Directive 93/42/EEC concerning medical devices as a specially made medical technical product.
The Rea® Azalea Base has been crash tested together with the Invacare "Flex 2" standard backrest, "Floshape" seat cushion and "MatrX Personal" backrest. All, except for "MatrX Personal" backrest, are tested together with REA neckrest. Invacare can in no way predict the effect of an accident with other configurations.

Other tests performed on the Azalea Base have also been carried out with the standard back and seat from the Azalea range mounted.

1.9.4 REA AZALEA MAX

The Rea® Azalea Max is intended for larger adults who are passive users, both semi-dependant and dependant.

- Max user weight is 180 kg.

1.10 SERVICE LIFE

We estimate that the Invacare® wheelchair has a service life span of five years. It is difficult to state the exact length of the service life of our products and the length stated is an estimated average life span based on normal use. The life span may be considerably longer if the wheelchair is used to a limited extent and if it is used with care, maintained and handled properly. The life span may be shorter if the wheelchair is subjected to extreme use.

2. Safety

2.1 SPECIFIC RISKS

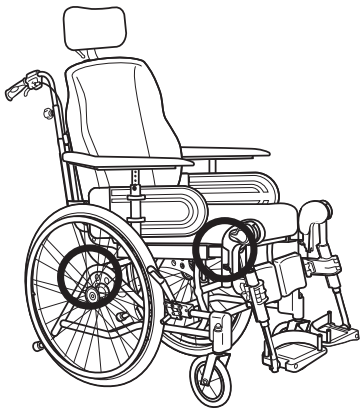
Below you will find a number of points affecting your personal safety. Read them carefully!

Invacare is only responsible for product changes carried out by competent personnel. We reserve the right to make any changes to equipment and specifications without prior notice.

Failure to comply with instructions given may result in personal injury and/or product damage.

- Check each of the following before using the wheelchair:
  - that all parts are attached securely to the frame
  - that all wheels, knobs, scews and nuts are properly tightened
  - that all brakes and anti-tip devices function correctly
- Never lift the wheelchair by the detachable armrests, footrests, backbrace or by the adjustable push handles.
- Always apply the brake before getting into or out of the chair.
- Never stand on the footplates when getting into or out of the chair, because of the risk of tipping.
- Changing the seat angle can mean an increased risk of tipping over.
- The handrims may become hot due to friction, which may cause injury to your hands.
- Use the anti-tip device
- Remember that the effectiveness of the carer-operated brake is reduced in wet and slippery conditions, as well as when on a slope.
- Be careful to ensure that the rearwheels are securely attached.
- There is a risk of tipping and injury if the velcro straps on the backrest become too slack. Always check the tension. Also check that the rear wheels are adjusted to ensure that there is no risk of tipping.
- Surfaces of the wheelchair like frame parts or upholstery can, after long exposure to the sun, reach temperatures over 41°C.
- When mounting accessories etc. be careful not to trap your fingers.
- There is always an increased risk of trapping parts of your body when tilting the wheelchair's back and seat.
- The width of the seat should never be adjusted so much so that the inside of the armrests press against the side of the pelvis.

2.2 LIFTING THE WHEELCHAIR



Always lift the wheelchair by grabbing the frame at the points shown in the picture.
Never lift the wheelchair by the removable armrests or the footrests. Ensure that the backrest and push handles are securely in place. Also read the chapter Safety instructions/Propelling techniques.

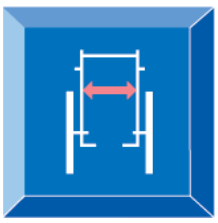
2.3 DAILY PERFORMANCE CHECK

Check that the following parts are correctly mounted on the wheelchair:

- Wheels
- Backrest
- Anti-tip device
- Push handles
- Footrests

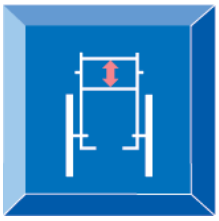
3. Technical data

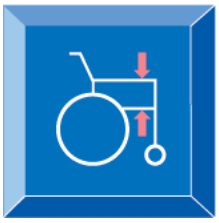
3.1 DIMENSIONS AND WEIGHT


1. Seat width

2. Seat depth

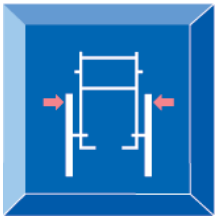
3. Seat height


4. Backrest height


5. Armrest height

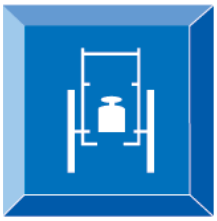
6. Legrest length

7. Tilt adjustment


8. Total width

9. Total height

10. Total length


11. Weight

12. Maximum user weight

13. Transport weight

14. Backrest adjustment

	AZALEA	AZALEA ASSIST	AZALEA TALL	AZALEA BASE	AZALEA MINOR	AZALEA MAX
1.	390-550 MM	390-590 MM	390-590 MM	340-590 MM	340-440 MM	550-710 MM
2.	430-500 MM	430-500 MM	480-550 MM	380-500 MM	380-450 MM	500-570 MM *
3.	400/450 MM	400/450 MM	500 MM	400/450 MM	400/450 MM	400/450 MM
4.	560-790 MM 540-715 MM	560-790 MM 540-715 MM	560-790 MM 540-715 MM	-	550-650 MM	620-700 MM **
5.	240-360 MM	240-360 MM	240-360 MM	240-360 MM	240-360 MM	320-420 MM
6.	330-500 MM	330-500 MM	330-500 MM	330-500 MM	330-500 MM	330-500 MM
7.	-1° - 25°	-1° - 25°	-1° - 25°	-3° - 30°	-1° - 25°	1°-20°
8.	SW+250 MM	SW+220 MM	SW+220 MM	SW+220 MM	SW+ 220 MM	SW+250 MM
9.	950 - 1020 MM	950 - 1020 MM	1000 - 1300 MM	900 -1300 MM	900-1250 MM	1020-1240 MM
10.	950 - 1020 MM	950 - 1020 MM	950 - 1070 MM	950 - 1020 MM	900-970 MM	1050-1120 MM
11.	34 KG	34 KG	36 KG	20 KG	32 KG	54 KG
12.	135 KG	135 KG	135 KG	135 KG	75 KG	180 KG
13.	16.5 KG	20.5 KG	18.7 KG	15 KG	14.5 KG	26 KG
14.	0° - 30°	0° - 30°	0° - 30°	-3° - 30°	0° - 30°	0° - 30°

The reversing width for Azalea Assist: seat width + 760 mm.

*** A smaller seat width can be attained by using the siderest pad.**

**** A lower backrest height can be attained by using another backrest.**

3.2 UPHOLSTERY AND FRAME COLOURS

Upholstery
Black Plush TR35
Black Dartex TR26

Frame colour
Pearl Grey, Azurite, Sand, Electric green, Happy red

3.3 EQUIPMENT AND ACCESSORIES

Backrest
Tension adjustable
Backrest plate

Backrest cover/cushion
Lateral cover
Laguna (lateral support) cushion
Mistral 2 (waist support) cushion
Passad 2 (shoulder support) cushion
Shoulder High 05 (dartex) cushion
Vicair multifunctional cushion

Seat
Depth adjustable
Sliding seat

Seat cushions
Floshape
Vicair Multifunctional

Seat and backrest regulation
Assistant operated gas piston seat and backrest tilt
Electrical operated seat and backrest tilt

Legrests
Central legrest
Angle adjustable
Fixed 80° or 90°
Amputee legrest

Footplates
One piece footrest
Fixed
Depth and angle adjustable
Footboard converter

Armrests
Height adjustable with standard pad, wide pad or extra padding
Depth adjustable with standard pad
Hemiplegic armrest

Castors
140-200 mm, soft medium or pneumatic
Widths 27 -45 mm

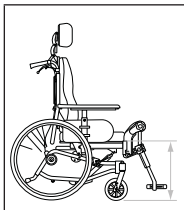
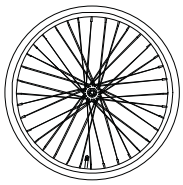
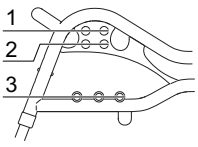
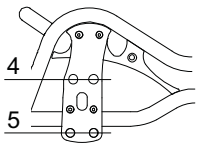
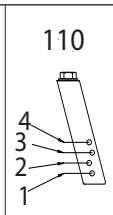
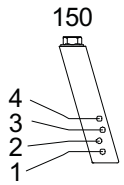
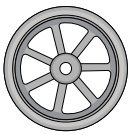
Rear wheels
16”, 22", 24", pneumatic,puncture-proof or solid

Brake
User-brake
Carer-operated drumbrake

Others
Headrest
Headrest with cheek support
Neckrest
Trunk support
Lumbar support
Wedges
Tilt scale backrest/seat
Attachment positionig belt
Pelvic belt
Harness
Reflectors
Table tray
Pump
Cane holder
Braced push handles
Several types of handrims
Spoke guard
Heel strap, Azalea Max

3.4 SEAT HEIGHT TABLES

3.4.1 Rea® Azalea & Rea® Azalea Assist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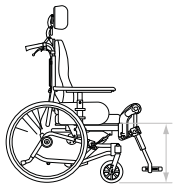
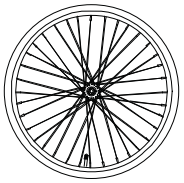
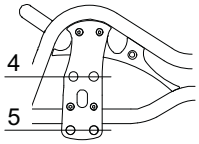
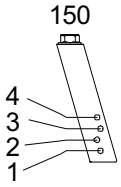
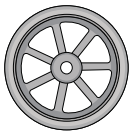
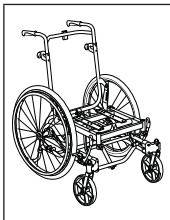
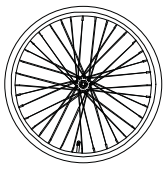
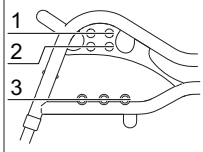
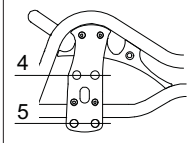
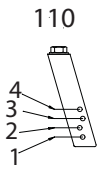
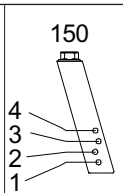
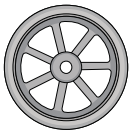
45	24"	2			2	150
45	24"	2			2	140
40	22"	1		3		150
40	22"	1		3		140
40	16"		4	3		150
40	16"		4	3		140
45	16"	3		1		200
45	16"	3			2	150
45	16"	3			2	140

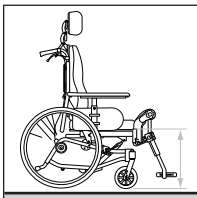
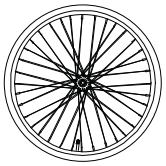
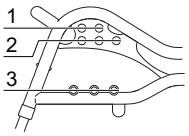
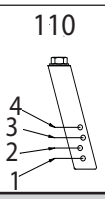
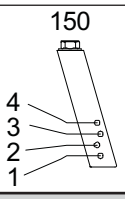
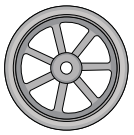
3.4.2 Rea® Azalea equipped with Tall-kit

				
50	24"	4	2	200
50	16"	5	3	200

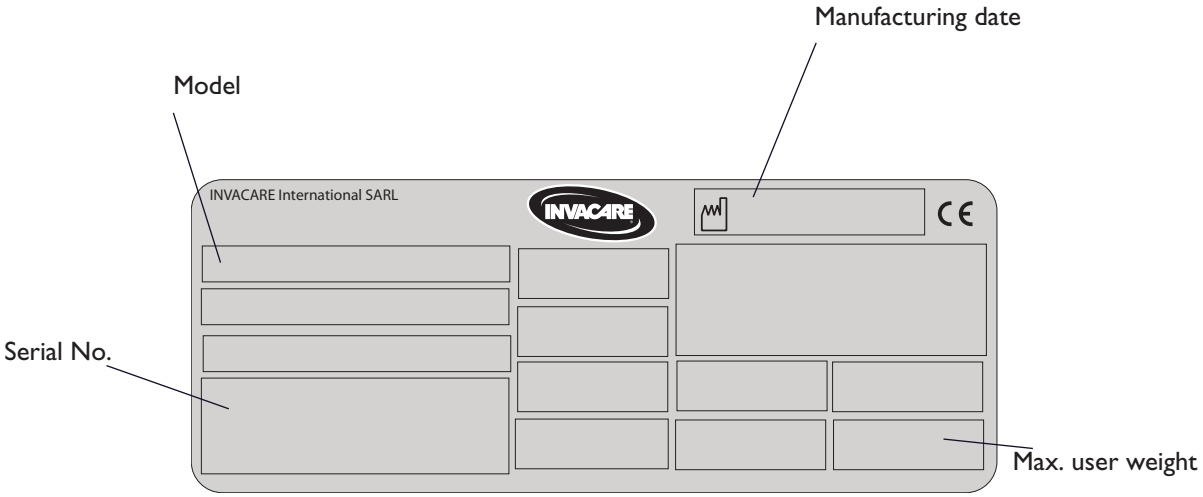
3.4.3 Rea® Azalea Base

						
45	24"	2		1		200
45	24"	2			2	150
45	24"	2			2	140
40	22"	1		3		150
40	22"	1		3		140
45	16"	3		1		200
45	16"	3			2	150
45	16"	3			2	140
40	16"		4	3		150
40	16"		4	3		140

3.4.4 Rea® Azalea Max

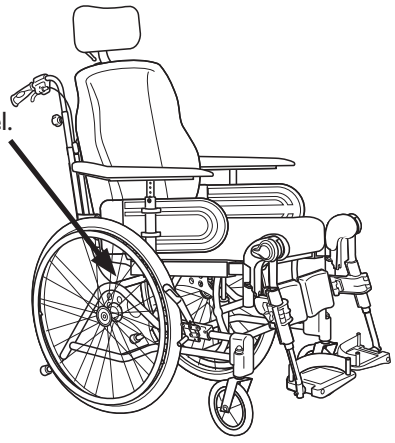
					
45	24”	2	1		200
40	22”	1	3		140
45	16”	3	1		200

3.5 IDENTIFICATION LABEL



Location

Location of the identification label.

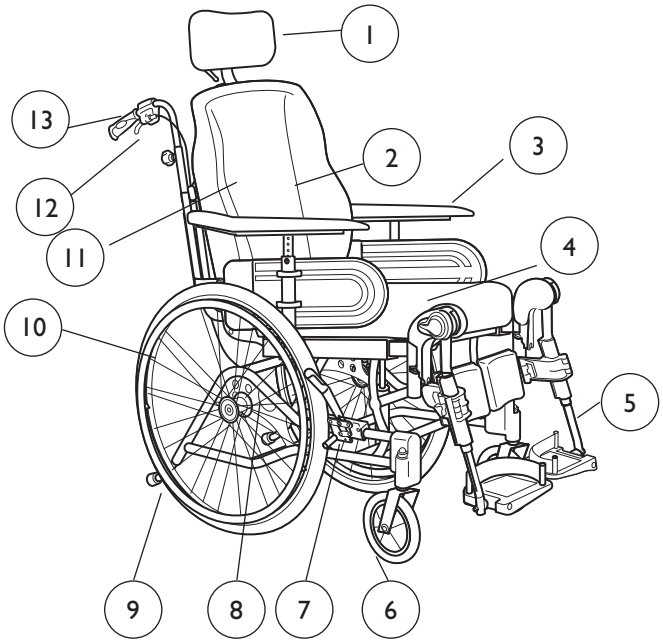


4. Set-up and installation

4.1 DELIVERY CHECK

Any transport damage must be reported immediately to the transport company. Remember to keep the packaging until the transport company has checked the goods and a settlement has been reached.

4.2 WHEELCHAIR OVERVIEW

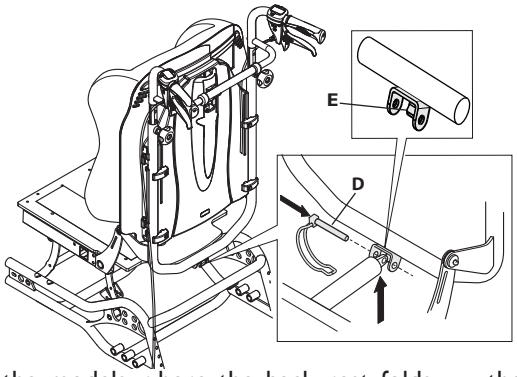


1. Neckrest
2. Backrest
3. Armrest
4. Seat
5. Legrest
6. Castor
7. Brake
8. Rear wheel plate
9. Anti-tip device and step tube
10. Rear wheel
11. Allen key for adjustments (on back of backrest cushion/inside on the back)
12. Handle for backrest angle and seat tilt adjustment
13. Push handle

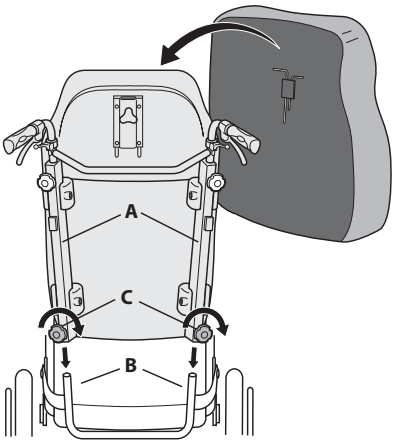
4.3 ASSEMBLY

When you receive your wheelchair, you either fit the backrest or, on some models, fold up the backrest. You also have to fit the armrests and legrests onto the chair. The assembly is simple and does not require any tools.

4.3.1 Backrest



On the models where the back rest folds up, the safety pin (D) needs to be secured at the bottom of the backrest.
Let the gas piston rest on the lip (E) for support when the gas piston is mounted. When fastening the safety pin, tilt the backrest slightly forward while supporting the gas piston manually. When the holes are aligned, the safety pin can be attached.
Secure the backrest cushion using the Velcro strips.

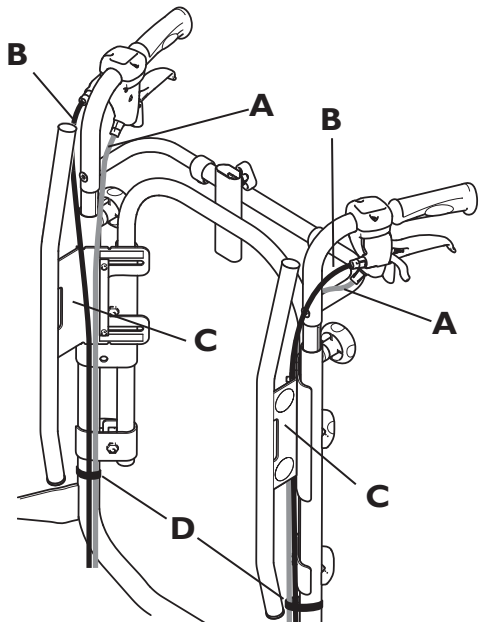


On Azalea Minor the backrest is fitted onto the wheelchair by sliding the profiles (A) of the backrest onto the tubes of the chair (B). Make sure that you push the backrest down as far as possible. Secure into place by tightening the knobs (C).

Now check that the backrest is secured firmly in position!

4.3.2 Placement of the wires

4.3.2.1 Adjustable backrest

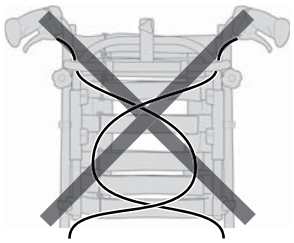


The wires of the backrest must be placed as shown above. It is important that the cable for the assistant brake (A) is placed on the inside of the tubes for the push handles.

The wire for the backrest/seat recline (B) should be placed outside of the tubes for the push handle.

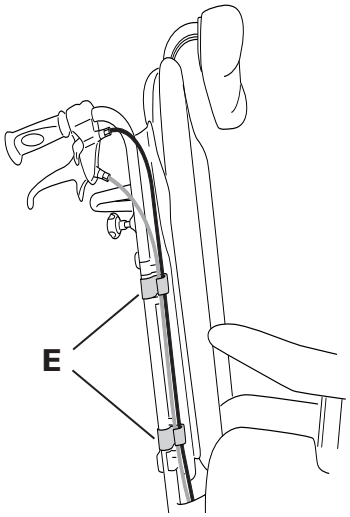
The wires must be threaded on the inside of the backrest attachment (C) and be held in place with a strap (D).

Fold the slack of the wires under the seat to get them out of the way.



WARNING: Risk of reduced brake effect
The wires must not be crossed on the backrest!

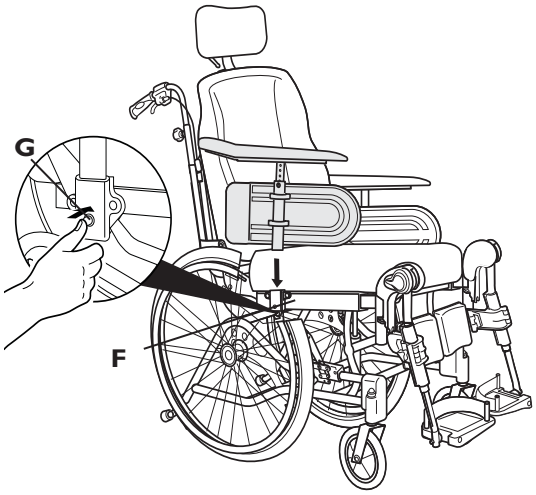
4.3.2.2 Backrest plate



On the backrest plate, the wires are threaded on the outside of the backrest tubes. The wires are held in place by the wire holders/clips (E) as shown on the picture above.

Fold the slack of the cables under the seat to get them out of the way.

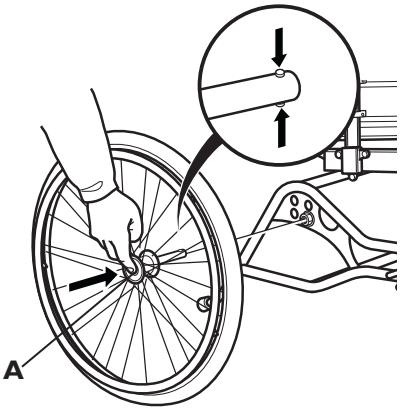
4.3.3 Armrests



Attach the armrests by feeding them into the attachment (F) at the sides of the wheelchair. Push them downwards until you can feel that the armrests are securely in place.

The armrests have an auto-lock to prevent involuntary movement or detachment. Press the button (G) on the spring to release before removing or adjusting the armrest.

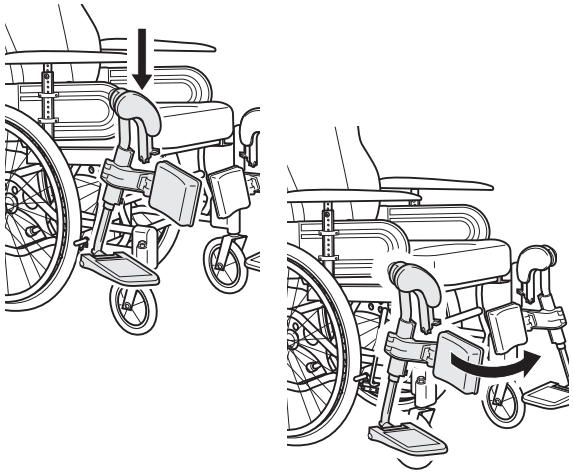
4.3.4 Rear wheels



Attach the rear wheels by pressing button (A) in the centre of the hub whilst simultaneously sliding the axle (B) into the rear wheel position attachment of the positioning plate.

It is very important that you check that the locking pin has actually locked the wheel into position when the centre button has been released. Take hold of the wheels and try to detach them. This should NOT be possible.

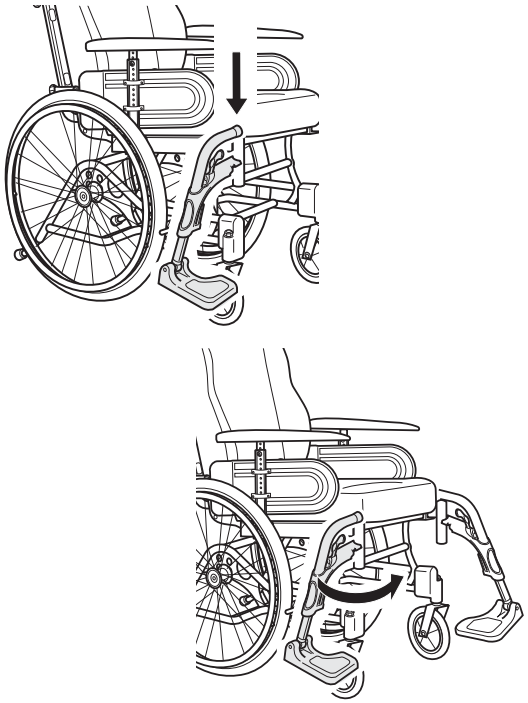
4.3.5 Angle adjustable legrests



Attach the legrests by pushing the tube at the upper part of the legrests down into the tubes on the wheelchair. You must angle the legrests outwards when inserting them.

Lock the legrests by turning them inwards. The legrests are automatically locked so there is no risk of them coming off the wheelchair.

4.3.6 Fixed legrests



Attach the footrests by pushing the tube at the upper part of the footrests down into the tubes on the wheelchair. You must angle the footrests outwards when inserting them.

Lock the legrests by turning them inwards. The legrests are automatically locked so there is no risk of them coming off the wheelchair.

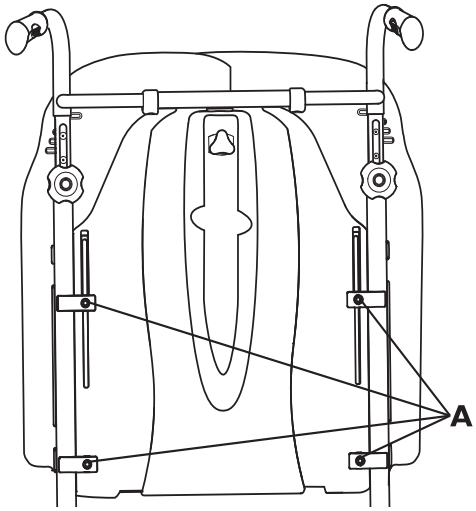
5. Components and adjustment

5.1 BACKREST

5.1.1 Backrest plate

Any adjustments made to the backrest should be evaluated by trained personnel.

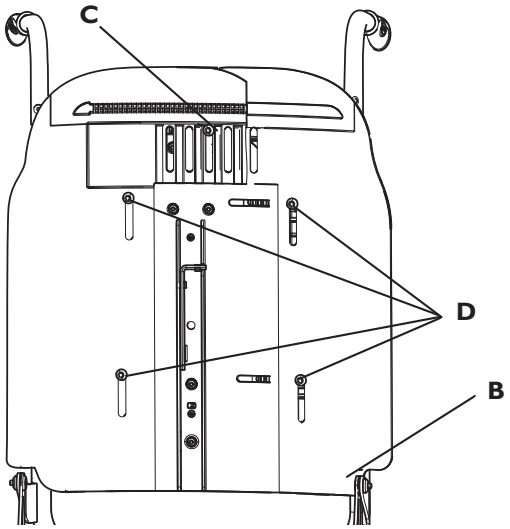
Height Adjustment



Tools: 5 mm Allen Key

1. You can easily adjust the backrest plate (+ 130 mm) by loosening the four screws (A). Set at the required height and re-tighten.

Warning Risk of pinching
When adjusting the height these is a risk of pinching your finger at the point (B) shown in the illustration.

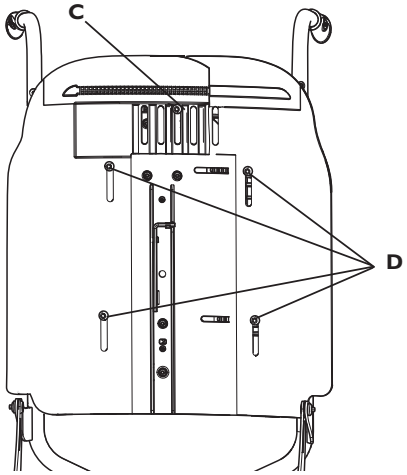


Tools: 5 mm Allen Key

2. For additional height adjustment (50 mm), loosen screw (C) and screws (D) and set the required height. Re-tighten all screws.

Width Adjustment

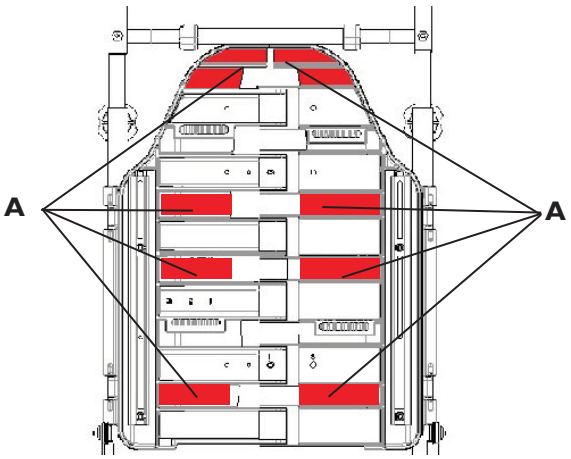
Warning Risk of breakage
If you have seat width 490 mm (max seat width) the backrest should NOT be adjusted to the widest possibility (+100 mm).



Tools: 5 mm Allen Key

3. For width adjustment, remove screw (C) and loosen screws (D). Adjust to the required width (+25 or 50 mm on each side). Re-insert screw (C) and tighten. Tighten screws (D).

Advice for special adaptation of Flex 3 backs



1. Remove the width adjustment plates.
2. Remove the screws on the front and remove the front and back plates. The shaded area (A) indicates where drilling can be done. Max. diameter of drill hole is 6 mm. Use washers with the minimum 18 mm diameter beneath the nut on the inside of the screws.
3. Return the parts, re-insert the screws and tighten them with 3,2 Nm.

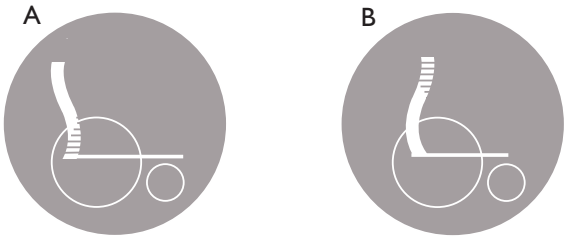
All changes to the back are seen as a special adaptation of the product. That means that the rules for special adaptation are in force. All adaptations must be documented and risk assesment must be carried out. The adaptor is responsible for the adaptions.

5.1.2 Tension adjustable backrest

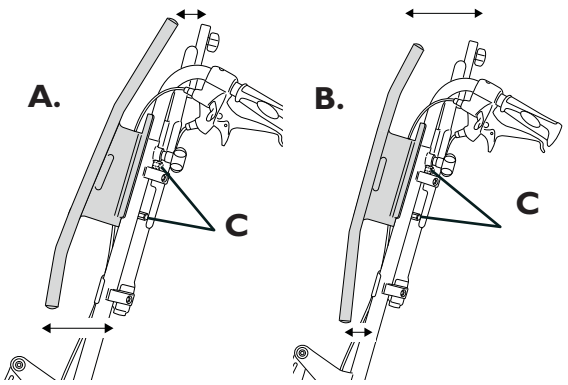
Any adjustments made to the backrest should be evaluated by trained personnel.

The tension adjustable backrest must be adapted and adjusted according to the individual needs of the user. The following steps guides you through the adjustment of the backrest.

Preparation
Angle the backrest- and seat tilt a couple of degrees in order to obtain a stable seating position for the user.



Turning of the backrest tubes
The tension adjustable backrest for the Azalea is designed with different angles as shown in picture A and B below. This allows for different adjustments according to how the backrest is mounted. Position A (the part of the backrest with the longer angle turned upwards) gives the user more room for the shoulder area while position B gives more room for the bottom.

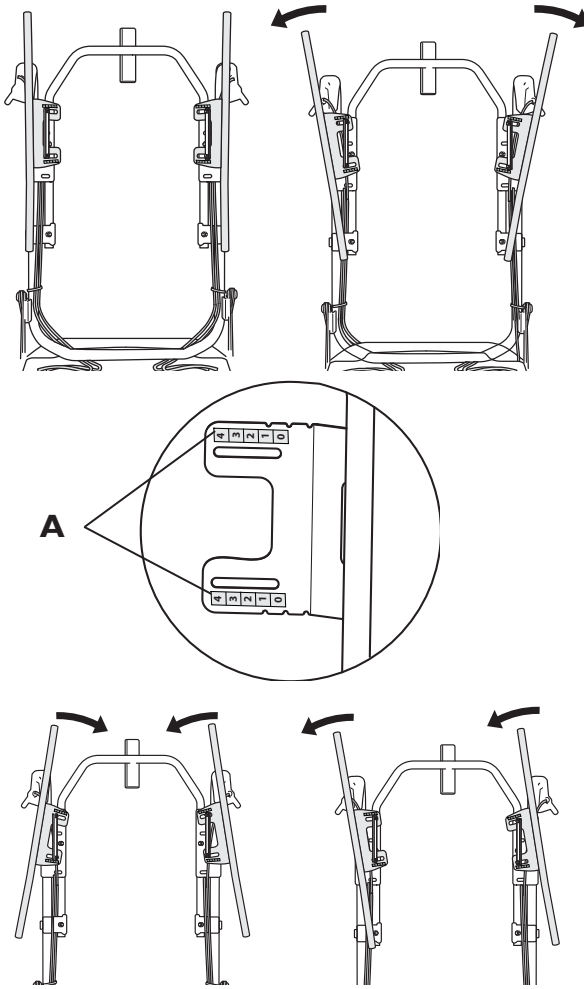


Tools: 5 mm Allen Key

Width adjustment
Determine if the user needs more space in the shoulder area (illustration A) or in the bottom area (illustration B). The design of the backrest tubes with different angles allows for these adjustments.

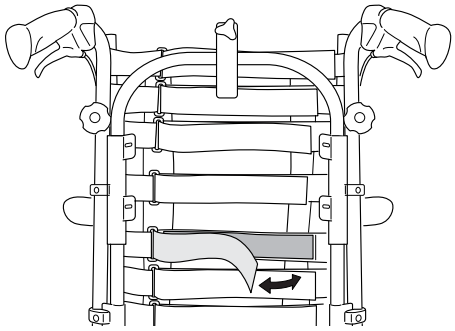
A-B. Loosen and remove screws (C) on both sides, turn the backrest and reinsert the screws. Make sure to fasten properly. The user can not sit in the chair when the backrest tubes are removed.

The backrest tubes have a width adjustment of 25 mm. The upper and lower parts of the tubes can be adjusted individually to accomodate for different needs. The outward movement will embrace the user and offer lateral support.



Angle adjustment
The backrest tubes can be angled individually, the indication labels (A) on the backrest tubes are a help in order to get the same angle on both sides.

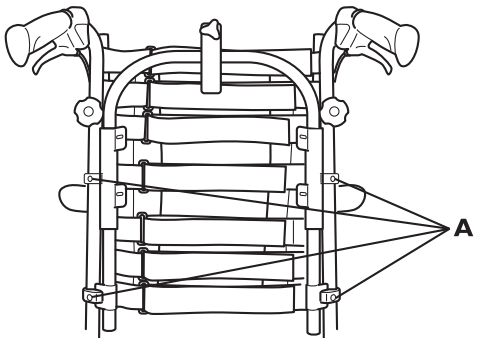
Follow these steps when adjusting the tubes:
- Move the user from the chair.
- Remove the backrest cover and loosen the velcro straps - the straps should slack about 5 cm.
- Loosen the backrest tubes and adjust them in order to fit the shape of the user.
- Re-tighten the screws after adjustment.



Tension adjustable straps
Define where you would like to have a firmer support of the back of the user. Have the user leaning forwards and tighten the straps in that region. Make sure that all straps are fastened. Apply the cover (start with the vertical middle) and make sure that the shape now created by the tension adjustable straps is preserved.

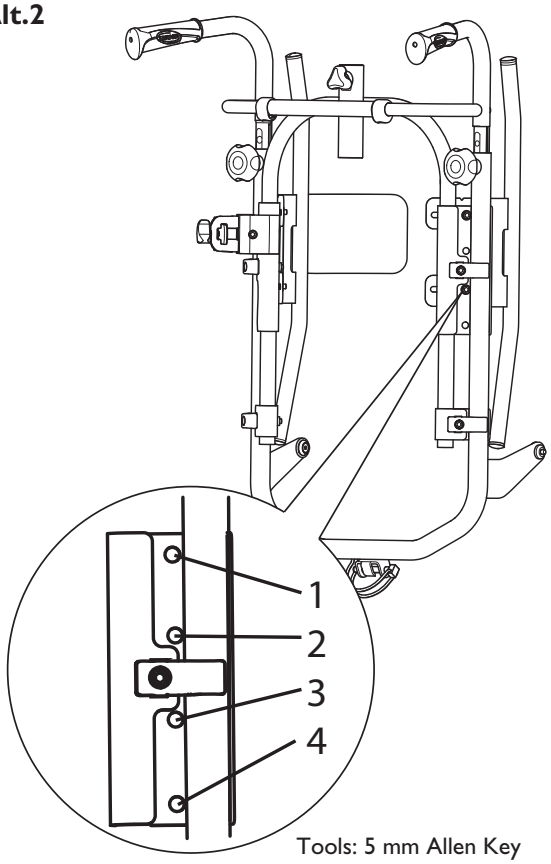
Height adjustment velcro backrest
There are two ways of adjusting the height for the velcro backrest:

Alt. 1



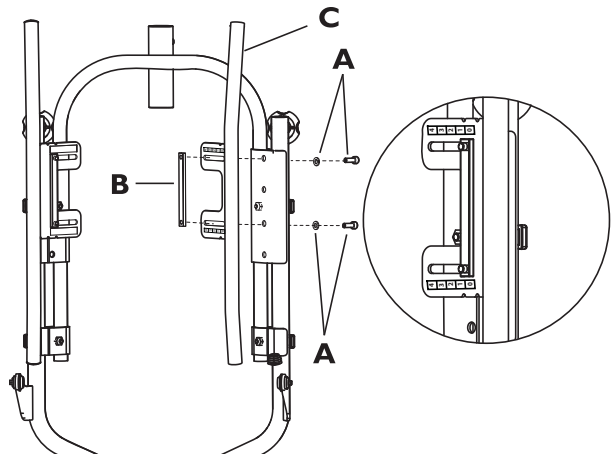
Alternative 1:
You can easily adjust the velcro backrest (max. +120 mm) by loosening the four screws (A). Set at the required height and re-tighten.

Alt.2



Tools: 5 mm Allen Key

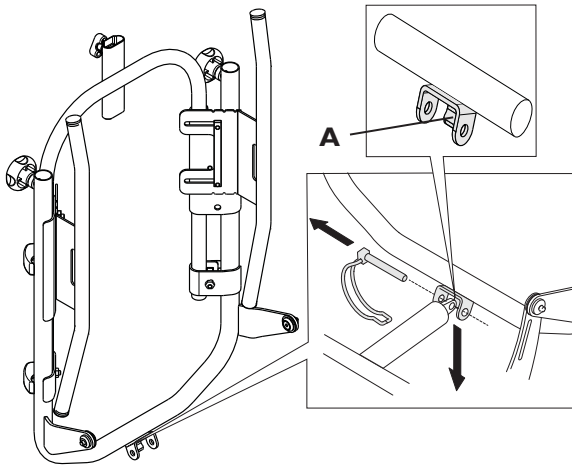
Alternative 2:
An additional height adjustment can be made by mounting the backrest attachment either in position 1 and 3 or in position 2 and 4 on the backrest tubes, as shown in the picture above.



Tools: 5 mm Allen Key

1. Remove the screws and the washers (A), the long nut (B), and the backrest attachment (C).
2. Support nut, screws and washers in order to prevent them from falling to the ground.
3. When the position of the backrest attachment is changed, re-mount everything and tighten the screws.

5.1.3 Folding the backrest - Gas piston holder for backrest with plate and tension adjustable backrest

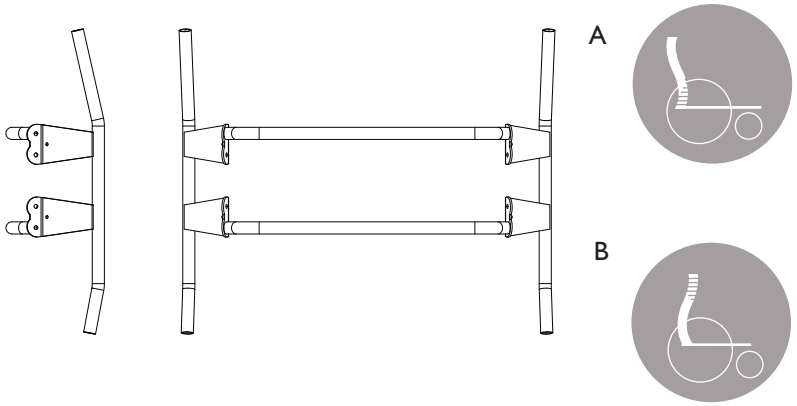


Remember to always reinsert and fasten the safety pin when it has been removed.

With the help of the gas piston holder (A) the terapeut/assistant can loosen the safety pin for the backrest gas piston when folding, in order to avoid that the gas piston and backrest falls to the ground.

When the pin is removed there must not be any weight on the backrest.

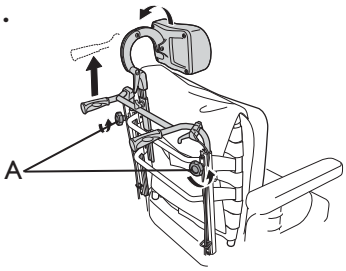
5.2 BACKREST FÖR AZALEA MAX



The backrest for the Azalea Max is designed with different angles as shown in picture 1. This allows for different adjustments according to how the backrest is mounted. Position A (the part of the backrest with the longer angle turned upwards) gives the user more room for the shoulder area while position B gives more room for the bottom.

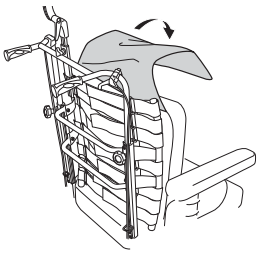
5.2.1 Adjustment

1.



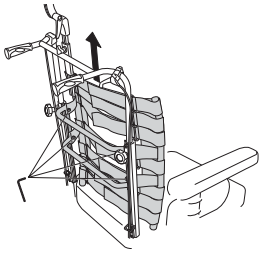
Loosen the handwheels (A) and raise the push handles as far as possible.

2.



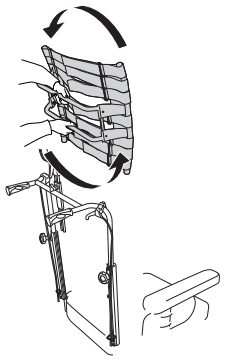
Remove the cover.

3.



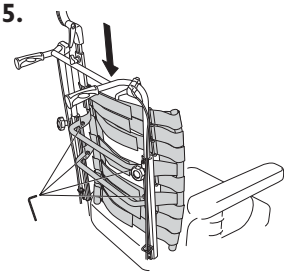
Loosen screws (B) and remove the backrest by lifting upwards.

4.



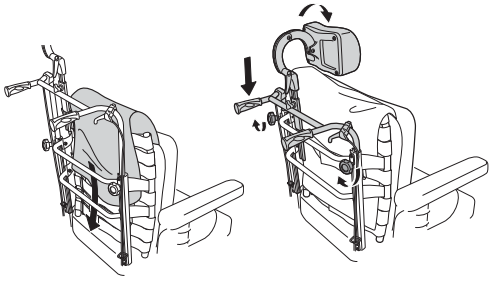
Turn the backrest 180°

5.



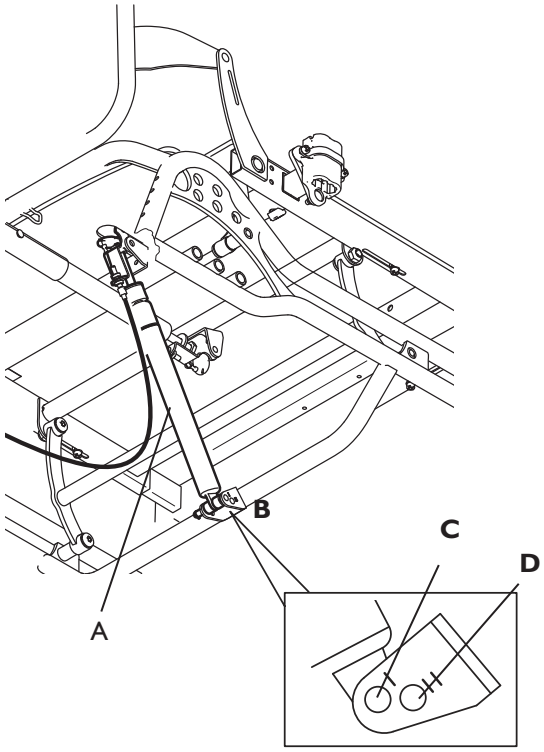
Put the backrest back by fitting it to the receivers on the tubes. Tighten the screws.

6.



Put the cushion and cover back. Lower the push handles and tighten the hand wheels.

5.3 ANGLE SETTINGS



There is a possibility to change the range of available angles for the seat by changing the position of the gas spring (A) on the chassi attachment (B).

This procedure may only be performed by a service technician due to risk of incorrect mounting.

Azalea Max can only use hole II (D). Except for the cases where electric tilt and angle controls are used, then ONLY hole I (C) may be used.

Other Azalea models might use either hole. Except for the cases where electric tilt and angle controls are used, then ONLY hole I (C) may be used.

The wheelchair should be tipped over sideways before the gas spring is loosened from the chassi attachment. Otherwise there is a risk of pinching.

Angles obtained:
Hole I:
16" rear wheels -1° - +23°
24 " rear wheels -1° - +23°

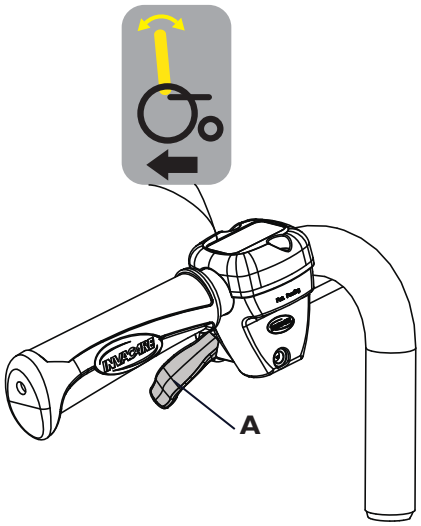
Hole II
16" rear wheels +1° - +25°
24" rear wheels +1° - +25°

5.4 CARER-OPERATED ANGLE ADJUSTMENT

The wheelchair is equipped with carer-operated controls. You can adjust the angle of the backrest forwards or backwards and tilt the whole seat unit including the backrest. These two functions can either be controlled manually or electrically.

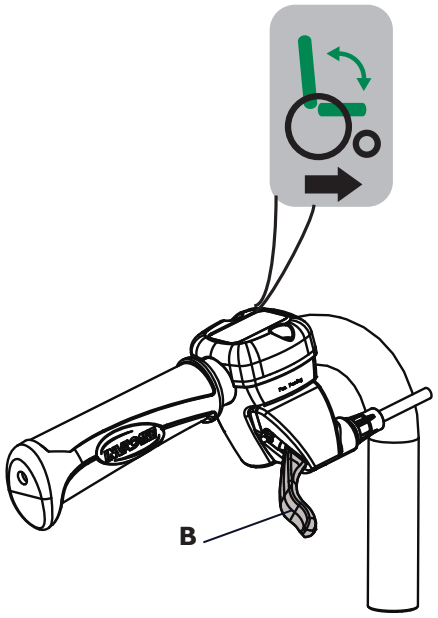
Be careful when adjusting the angle of the backrest so that the assistant or user do not trap fingers between the backrest and the armrest.

5.4.1 Backrest angle adjustment



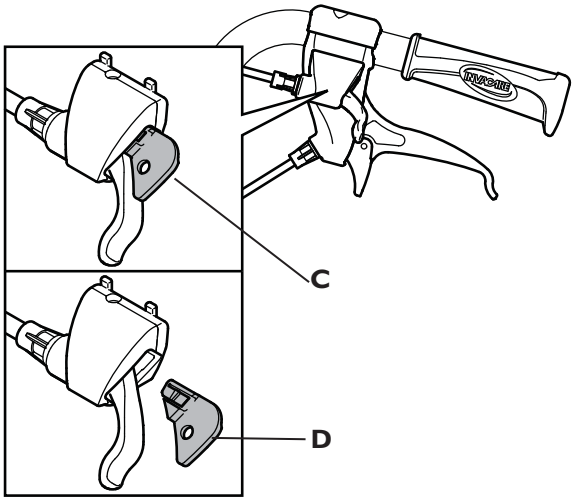
1. Use the **yellow (A)** lever on the **left** hand side to angle the backrest.
2. Press upwards while you angle the backrest to the desired position, release the lever.

5.4.2 Tilt adjustment



1. Use the **green** lever (B) on the **right** hand side to tilt the seat unit (seat and backrest).
2. Press upwards while you tilt the seat unit to the desired position, release the lever.

5.4.3 Locking device for angle adjustment



The locking device (C) allows you to set the tilting of the seat unit and/or the angling of the backrest to a fixed position. Tilt and/or angle the seat and backrest to the desired position and insert the locking device. The position is now set and cannot be changed.
The locking device is removed by pressing the plastic peg (D) with a small object while pulling outwards.

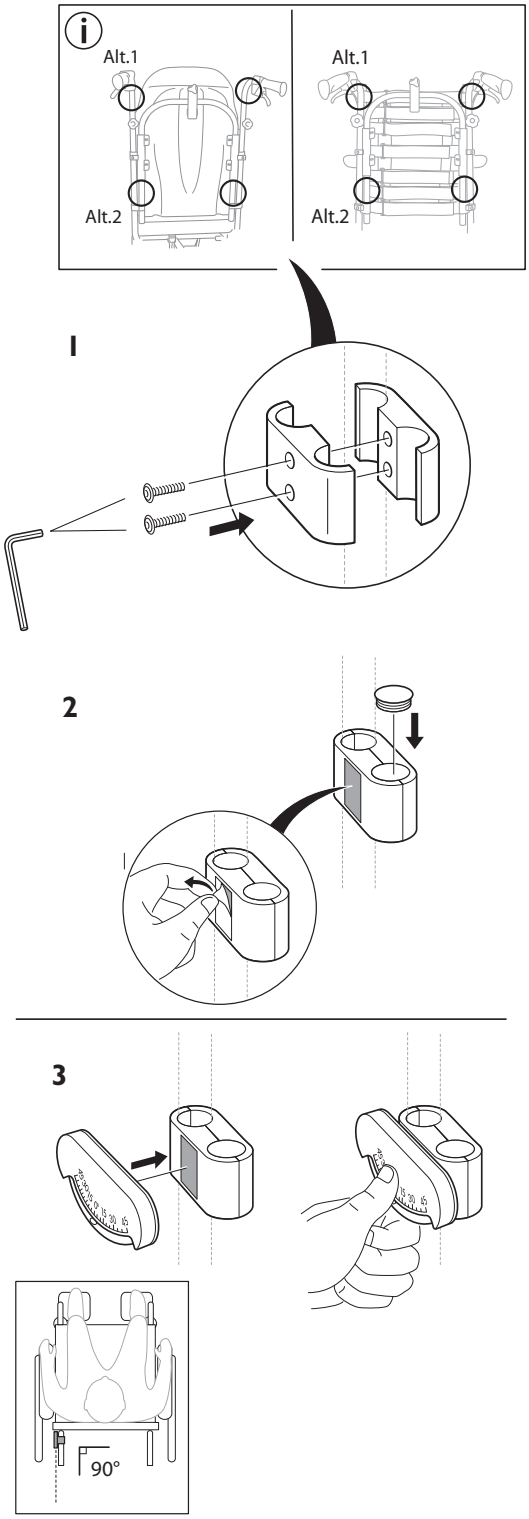
5.4.4 Tilt scale

The tilt scale makes it visible how many degrees the seat unit and/or the angling of the backrest is tilted.

5.4.4.1 Seat

The tilt scale for the seat angle, is placed on the arm-rest according to the pictures above.

5.4.4.2 Backrest

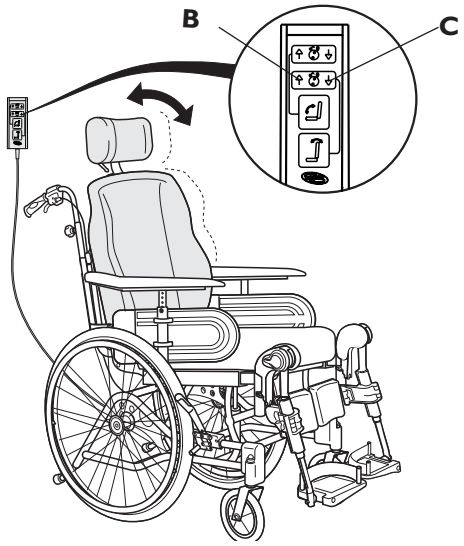


The tilt scale for the backrest angle, can be placed on the push bar/push handles or on the backrest tubes according to the pictures above.

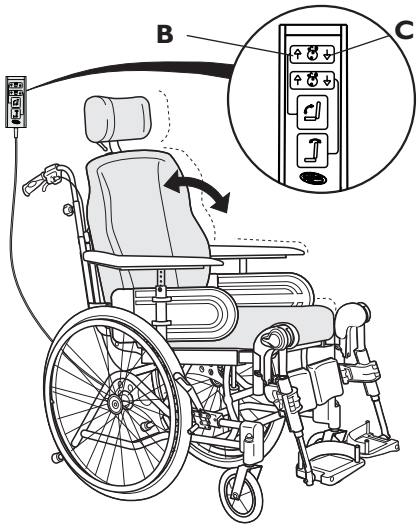
1. Attach the clamps to the backrest tubes and tighten the screws.
2. Place the end plug in the empty hole and remove the protection cover from the pre-glued pad.
3. Attach the tilt scale on the clamps as shown in picture 3 above.

5.5 ELECTRIC TILT AND BACKREST ANGLE ADJUSTMENT

1.



2.



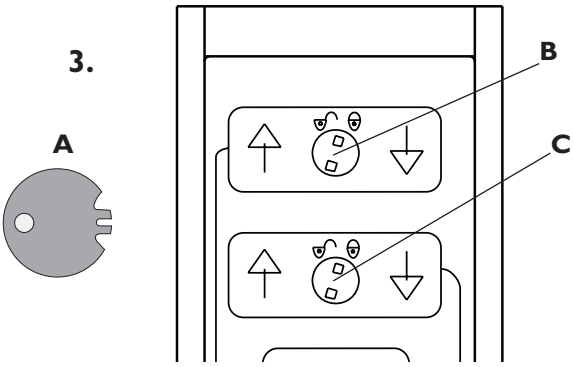
1. **Backrest angle adjustment**
   Adjust the angle of the backrest by using the lower part of the control panel. Press (B) to adjust the angle of the backrest forwards or press (C) to adjust the angle backwards.

2. **Tilt adjustment**
   Tilt the seat unit (seat and backrest) by using the upper part of the control panel. Press (B) to adjust the angle of the seat unit backwards or press (C) to adjust the angle forwards.

The risk of trapping fingers, etc., is greater in electric adjustments than in user-operated adjustment. Bear in mind, for example, that a child may get hold of the control box, press the controls and get trapped, or trap the user.

The hand control should only be used by authorised personnel.

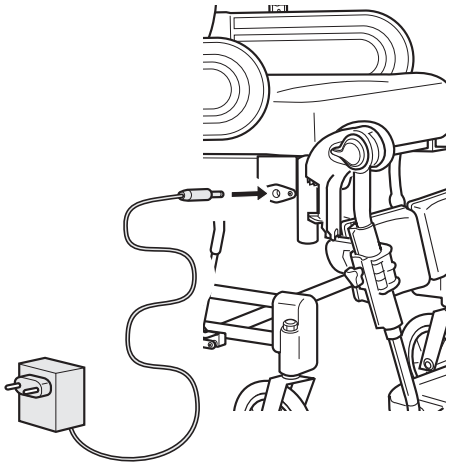
3.



3. **Locking of tilt position**
   To lock and unlock the tilt position, use the enclosed metal tilt key (A).

   Place the key in the chosen function (B or C) and lock/unlock. The key is used for shutting off or turning on the chosen function.

5.5.1 Charging the battery



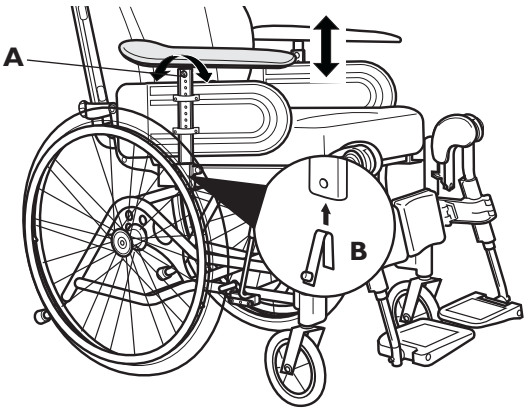
If your wheelchair has electrical angle adjustment the battery needs to be charged. If the angle adjustment function has been used during the day, it is a good idea to leave the charger on overnight.

Charge the battery by plugging the battery charger supplied with the chair into a wall socket. Then Insert the the charger cable into the connector which is on the side of the wheelchair as illustrated. It takes about 12 hours to charge a battery that has been used 50% of its capacity.

Work on the handset should only be carried out by properly trained personnel.

5.6 ARMRESTS

5.6.1 Armrest height



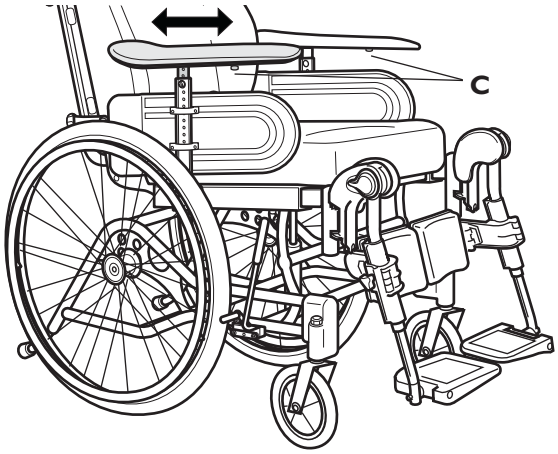
Adjust the height of the armrests by turning the screw or the handwheel (A), depending on wich type of armrest you have chosen, setting the required height and then re-tightening the screw/handwheel.

Be careful not to trap your fingers between the armpad and the side support when you adjust the armrest height.

5.6.2 Autolock for armrest

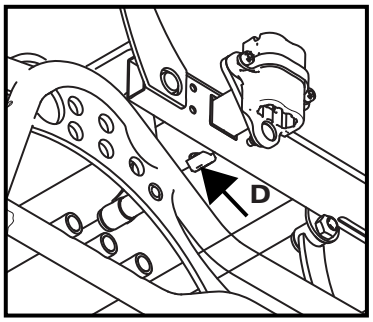
The armrests have an auto-lock to prevent involuntary movement or detachment. Press the button (B) on the spring to release before removing or adjusting the armrest.

5.6.3 Armrest depth



You can also adjust the depth of the armrest pad. Loosen the screw or the handwheel (C), depending on wich type of armrest you have chosen, set the pad in the required position and re-tighten the screw/ handwheel.

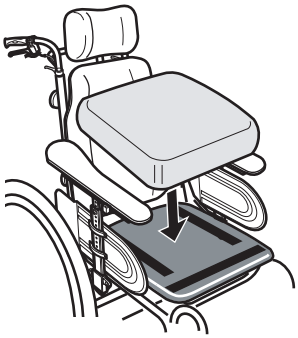
5.6.4 Readjustment



After a period of use, it may seem as the armrests have to much play. If so, the screw (D) which attach the armrest to the seat frame, may need to be re-tightened (12Nm).

There must not be any pressure on the armrest while adjusting the screw.

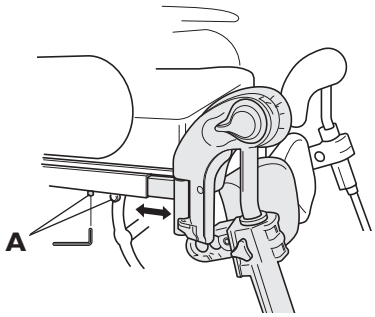
5.7 SEAT



The seat depth of the chair can easily be adjusted to provide good support. The width between the legrests and armrests and the height of the armrests can also be adjusted.

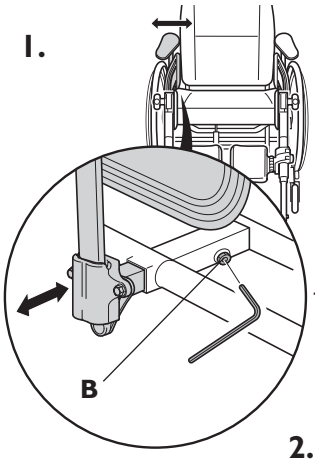
1. The seat cushion is secured with Velcro strips on the seat plate.

5.7.1 Depth adjustment

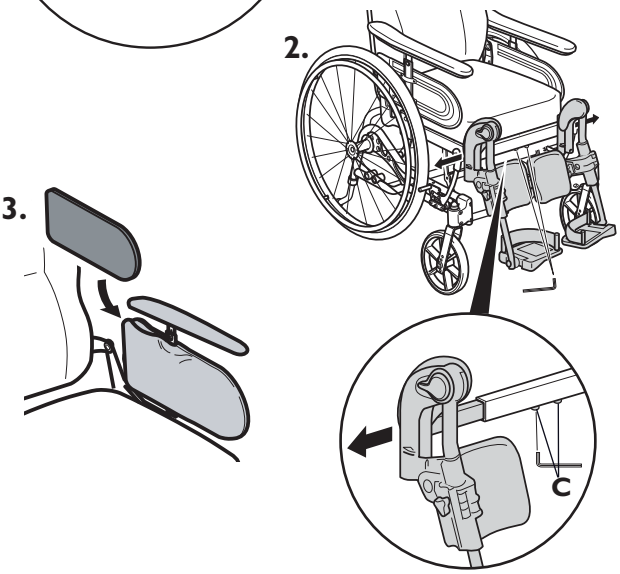


Remove the seat cushion and loosen the screws (A) with an Allen key. Move the front edge of the seat forwards or backwards, and retighten the screws. The distance between the back of the knee/calf and the cushion should be as small as possible, but without contact. Replace the seat cushion.

5.7.2 Width adjustment



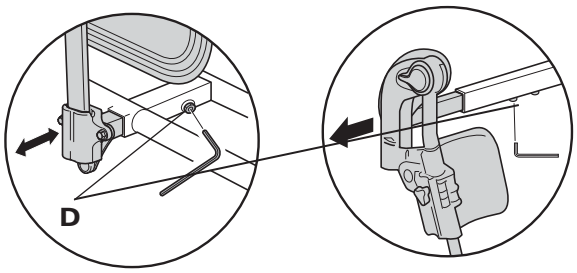
Tools: 5 mm Allen Key



1. Loosen the screw (B) with an Allen key. Adjust the armrests to the desired width and retighten the screw.

2. Loosen the screws (C) with an Allen key. Adjust the legrests to the desired width and retighten the screws.

3. The seat width can be decreased with 2x20 mm by placing cushions inside the armrest pocket.



Tools: 5 mm Allen Key

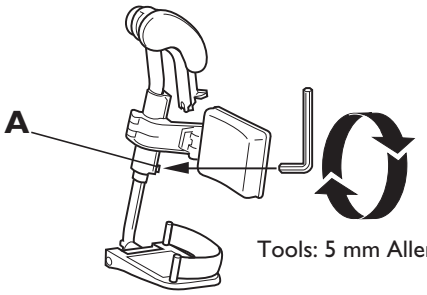
After a period of use, the screws (D) may need to be re-tightened (12Nm). There must not be any pressure on the armrest/legrest while adjusting the screw.

5.8 LEGRESTS

5.8.1 Angle adjustable legrests

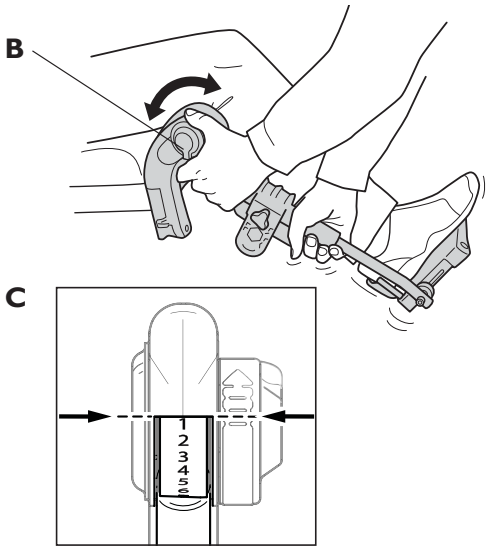
Angle adjustable legrests support the legs and reduce pressure. The legrests can be used for bandaged legs, but not for legs in plaster casts. The legrests must always be fitted with calf pads, footplates and heel straps.
It is important to adjust the height and angle of the legrests to obtain a good seating position.

5.8.1.1 Height adjustment



Loosen screw (A) with an Allen key. Adjust the legrest into a suitable height and the screw is caught by one of the recesses on the legrest tube. Then retighten the screw.

5.8.1.2 Angle adjustment



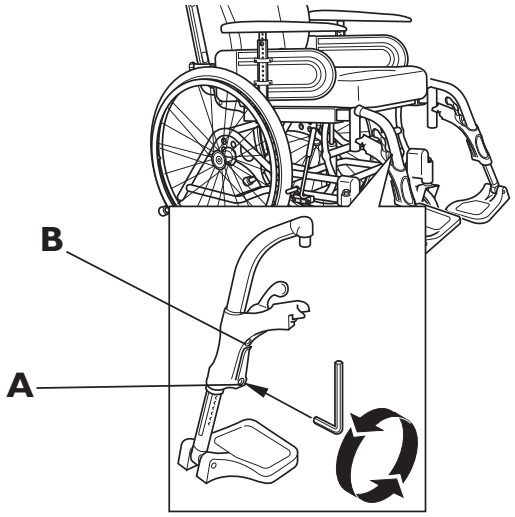
Pull the lever (B) with one hand while supporting the legrest with your other hand. When a suitable angle is obtained, let go of the lever and the legrest will look into one of seven preset positions (C). For the Azalea Max four different positions ara available, see point 5.7.4

Do not place anything heavy, or let children sit on the legrest. It may cause damage to the mechanism.

The distance between the lowest part of the footrest and the ground must be at least 40 mm.

Do not put any pressure on the legrest while the angle is being adjusted. The lever must be fully opened.

5.8.2 Fixed legrests, height adjustment



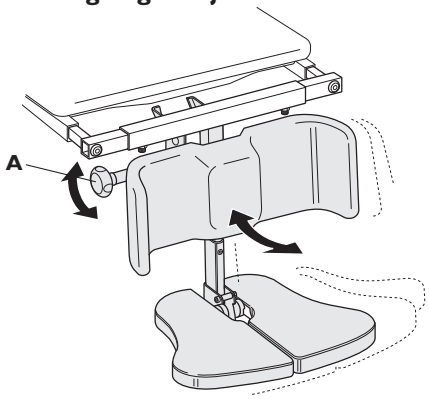
Loosen screw (A) with an Allen key. Adjust the legrest into a suitable height and the screw is caught by one of the recesses on the legrest tube. Then retighten the screw.

NOTE! Don't touch the upper screw (B).

The distance between the lowest part of the footrest and the ground must be at least 40 mm.

5.8.3 Central legrest

5.8.3.1 Leg angle adjustment

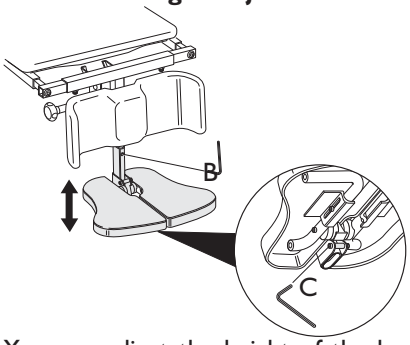


Adjust to the appropriate leg angle using knob (A).

When adjusting the angle of the central legrest, loosen the adjustment knob with one hand and hold the foot plate with the other hand to avoid trapping yours or anyone else's fingers etc.

When the seat is tilted forwards on a chair with a long legrest length and low seat height, there is a risk of the legrest hitting the floor and causing damage.

5.8.3.2 Height adjustment



You can adjust the height of the legrest in the following two ways:

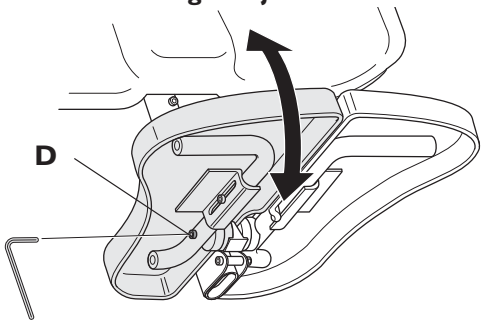
Alternative 1:

Loosen the Allen screw (B) using a 5 mm Allen key on the front of the telescopic tube, place the legrest in the desired position and secure it into place using the Allen screw.

Alternative 2:

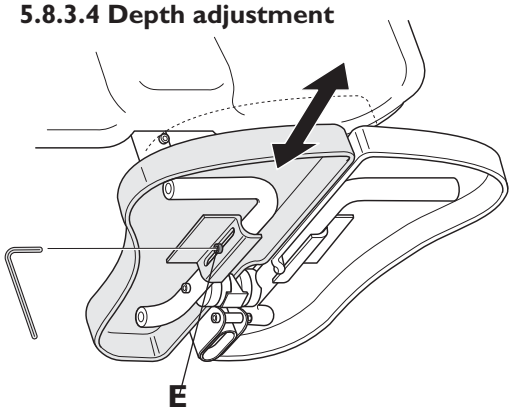
Loosen the Allen screw (C) by the legrest attachment as shown in the diagram. Adjust to the desired height and then retighten the screw.

5.8.3.3 Foot angle adjustment



Loosen the rear screw (D) on the side of the tube using a 5 mm Allen key and adjust the legrest to the desired angle. Retighten the screw. Repeat this procedure to adjust the angle of the other legrest.

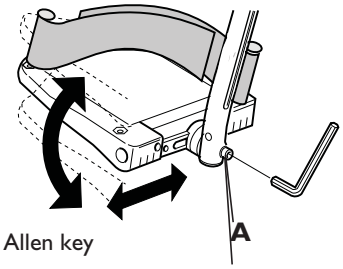
5.8.3.4 Depth adjustment



Loosen the frontal screw (E) on the side of the tube to adjust the depth of the legrest. Tighten the screw when you have found the desired depth. Repeat this procedure to adjust the depth of the other legrest.

5.9 FOOT PLATE/CALF PAD/ FOOT REST

5.9.1 Angle-adjustable footplates

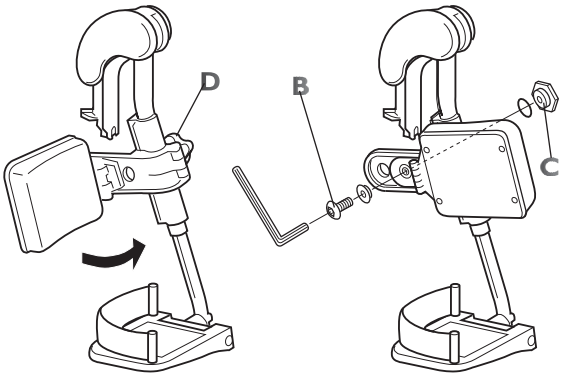


Tool: 5 mm Allen key

Adjust the angle and the depth by loosening the screw (A) at the footplate attachment with a 5 mm Allen key. Adjust the footplate to the correct position and retighten the screw.

Do not place anything on the footplate when the screw is loose.

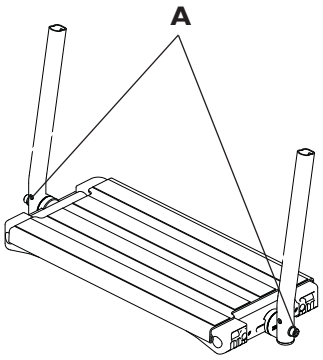
5.9.2 Calf pads

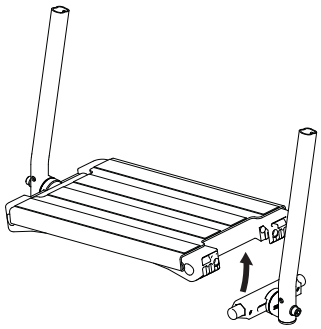


Tool: 5 mm Allen key

The calf pads can be fitted in two different depth positions. Swing the pad forwards. Unscrew screw (B) using an Allen key. Remove the large nut (C) on the reverse side and place it in the other attachment hole. Move the calf pad to the new position and secure it into place with the screw.
The height of the calf pads can easily be adjusted using the handwheel (D).

5.9.3 One-piece footrest





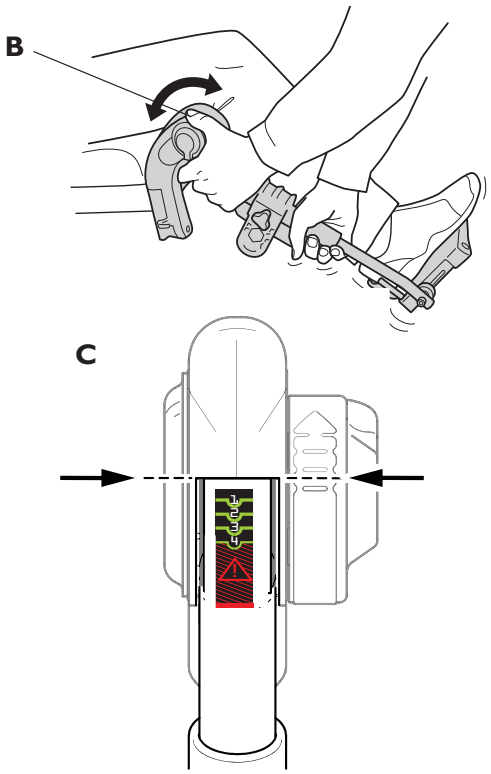
1. Adjust the angle and the depth by loosening the two screws (A) at the footplate attachment with a 5 mm Allen key. Adjust the footplate to the correct position and retighten the screws.

Do not place anything on the footplate when the screws are loose.

2. The footrest can be flipped up. Lift the left side of the footrest upwards.

Be careful not to trap your fingers between the footrest and the reciever when folding it down.

5.9.4 Legrest Azalea Max

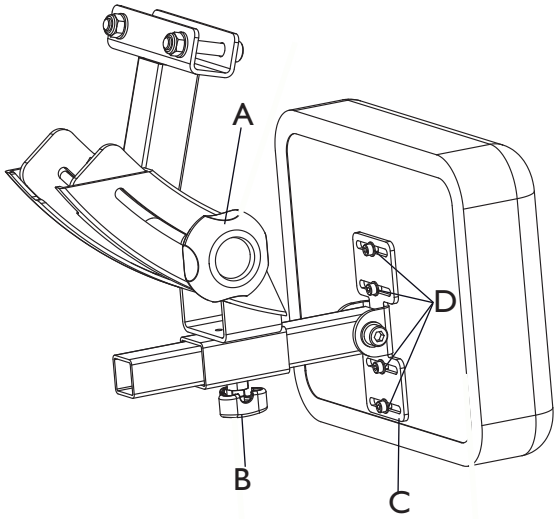


Pull the lever (B) with one hand while supporting the legrest with your other hand. When a suitable angle is obtained, let go of the lever and the legrest will lock into one the preset positions (C). For the Azalea Max four different positions are available. The adjustment should be done in accordance with the adjustment of the calf pads. Higher adjustments (marked red) are possible, but NOT recommended as the legrest might not be able to support the added weight.

Do not place anything heavy, or let children sit on the legrest. It may cause damage to the mechanism.

The distance between the lowest part of the footrest and the ground must be at least 40 mm.

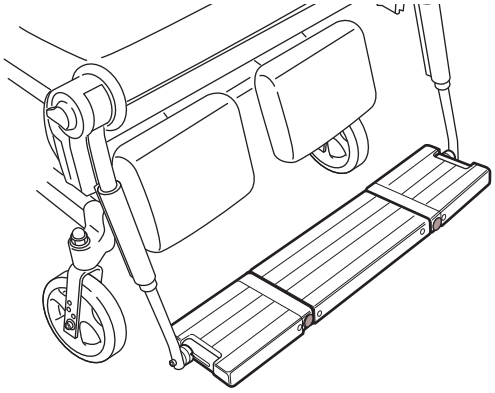
5.9.5 Calf pads for Azalea Max



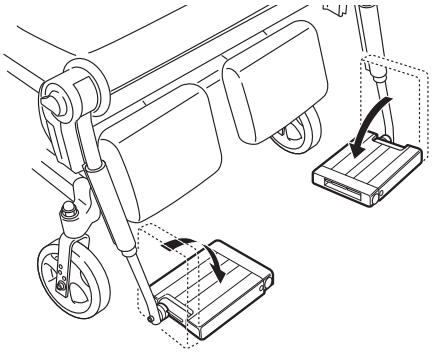
The calf pads for the Azalea Max are adjustable in angle (A), depth (B) and sideways (C).
A: Loosen the handwheel and adjust to the required angle
B: Loosen the handwheel and adjust the calf pad to the required depth. The adjustment should be done in accordance with the adjustment of the legrest.
C: Loosen the screws (D) and adjust the calf pad sideways. Do not forget to tighten the screws properly.

Caution! Risk of pinching
When adjusting the calf support there is a risk of pinching your fingers. Make sure that no pressure is on the calf support when the handwheels are loosened.

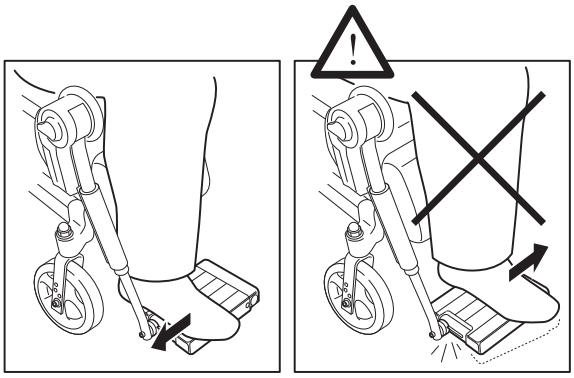
5.9.6 Footboard converter for Azalea Max



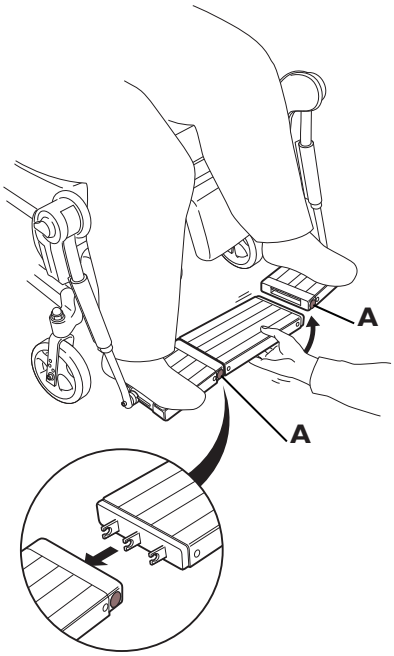
The footboard converter is a sturdy construction that is easily dissassembled to allow for transfers into and out of the wheelchair.



The footplates can be flipped up to further facilitate transfers.

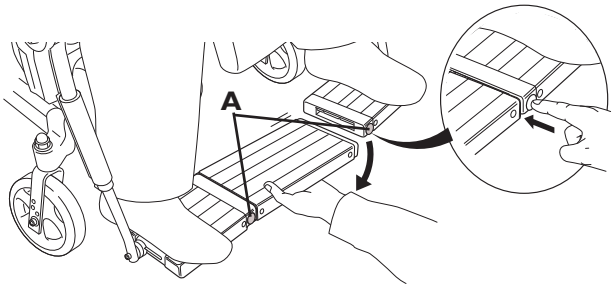


Make sure that the feet are placed as far out as possible before the middle part is installed or removed. Otherwise the pressure on the footplates might cause the footboard to break.



The middle part of the footboard converter is installed by inserting the fasteners into one of the footplates and then on the other side.

Make sure that the part is turned the right way. If not, it will fall out. The buttons (A) should pop out when the middle part is installed correctly.



To remove the middle part, press the buttons (A). First on one side and then on the other. Make sure that the feet are placed as far out as possible.

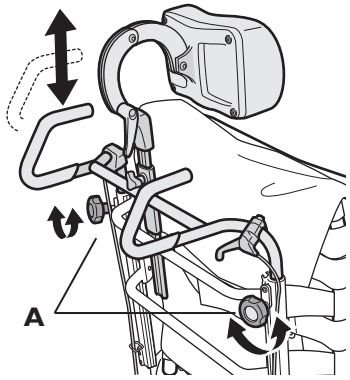
Caution! Risk of pinching
When adjusting the footboard there is a risk of pinching your fingers. Make sure that no pressure is on footboard when it is being adjusted.

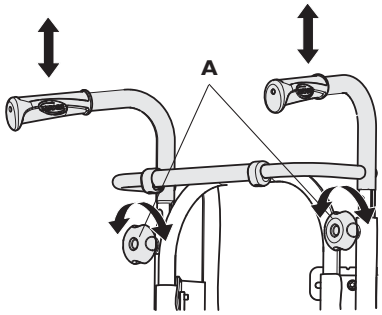
Caution! Risk of breakage
The footboard is not designed for lifting the chair. Do not take hold on the footboard if you need to lift the chair.

5.10 PUSH HANDLES/PUSH BARS

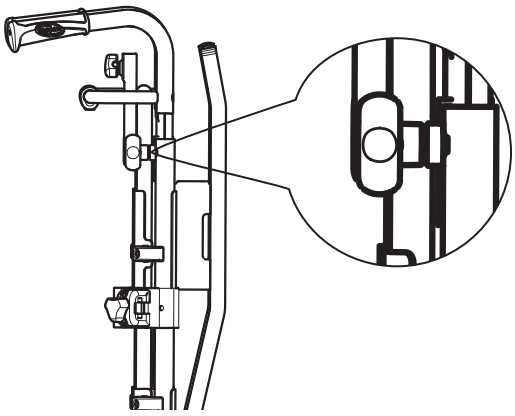
The following instructions and warnings are valid for all push handles and the push bar:

5.10.1 Height adjustment

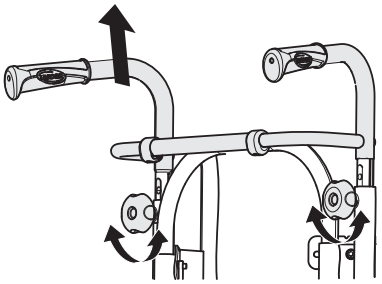




Loosen the knobs (A). The height of the pushhandles braced/pushbar can be adjusted simply by pulling the handles upwards or pushing them downwards. Adjust it to the height that you require and tighten it.



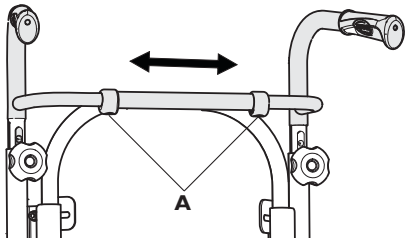
Make sure that the handwheel for the push handle fits the hole in the tubes. If the threaded tap of the handwheel is more than app. 2,5 mm visible, the position is wrong. Lower or raise the push handle to get the handwheel in the correct position.



The push bar/push handles braced must not be pulled up so that it protrudes more than 19 cm over the top edge of the attachment.

Do not trap your fingers between the push-handles brace and the neckrest attachment. (If you have a tension adjustable backrest).

5.10.2 Width adjustment

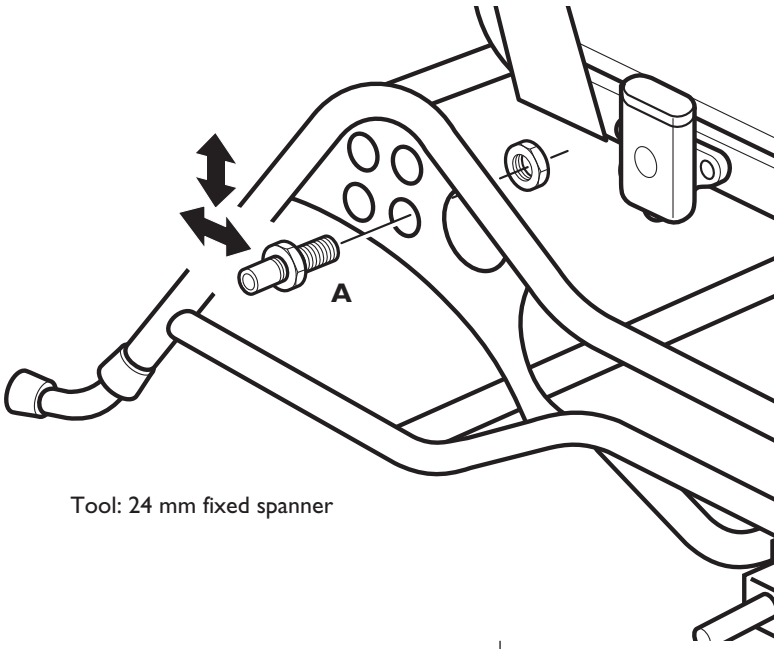


To adjust the width of the push handles, loosen the screws (A) with a hexagon key. Adjust to the required width and re-tighten the screws (3.3 Nm).

The width adjustment is only necessary if the push handles are moved to another chair with a different width.

5.11 REAR WHEELS

5.11.1 Adjustment 22" - 24"



Tool: 24 mm fixed spanner

You can adjust the height of the seat by moving the rear wheel attachment upwards or downwards.The balance of the wheelchair can be adjusted by moving the rear wheel attachment forward or backward. When the attachment is moved forwards, the chair will be somewhat easier to propel, but the risk of tipping will increase. If you move the attachment towards the rear, however, the chair will be more stable but slightly harder to propel. Test the different settings to see what suits you best.

The risk of tipping increases when the rear-wheels moved forward. Compensate by mounting an anti-tip device on the wheelchair.

5.11.1.1.Horizontal position

Loosen the rear wheel housing (A) with a spanner. Move the housing to the required position, either further forwards or backwards. Make sure that you tighten the housing securely when you have decided on the position. The axle housing should be tightened with a manual and dynamometric wrench calibrated to 40 Nm.

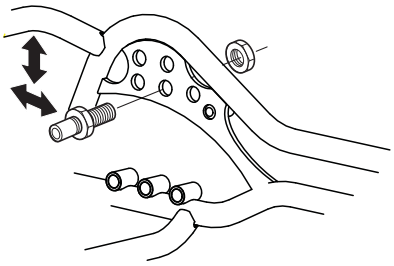
Now check the position of the brakes, and that the user can move the chair safely in its new balance position.

5.11.1.2 Height

Loosen and remove the attachment (A) using a spanner. Then move the rear wheel attachment to the height required, and then retighten the nuts (A).

Is the position in height changed, the size of the rear wheels must also be changed.

See the height table for correct positioning.

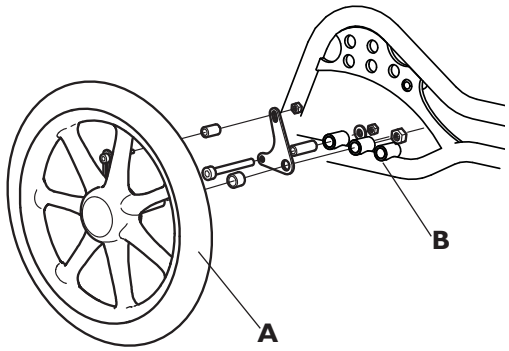


5.11.1.3 Rear wheel adjustment Azalea Max 22"24'

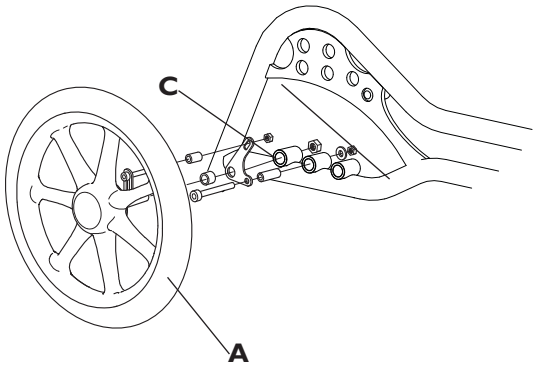
For the Azalea Max there are three different horizontal positions for the rear wheel. For adjustment, see previous instructions.

5.11.2 Adjustment 16”

The 16” transit wheel (A) can be placed in three different positions. The middle position is the standard position. When accessories are mounted on the back of the wheelchair the tip risk increases and therefore the rear position should be used in this case.



5.11.2.1 Front position (B)
Assemble the mounting as shown in picture 1.



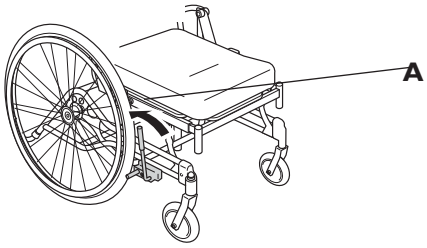
5.112.2 Rear position (C)
Assemble the mounting as illustrated in picture 2.

When you have fitted the wheels in the correct position, it is important that you check thoroughly that the nuts and screws are tightened securely. This is important for your own safety!

5.12 BRAKES

5.12.1 User brake

5.12.1.1.Use

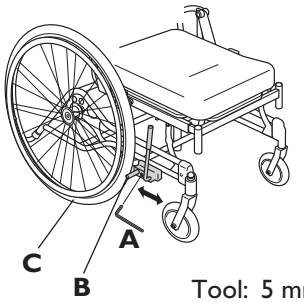


Start by checking that the tyres have the correct air pressure (printed on the side of each tyre).

1.
The user brake is to be used when the chair is not moving, and is not intended for reducing speed when the chair is moving.
To apply the brake, move the lever (A) forwards. To release the brakes, move the lever towards the rear (towards you).

Be careful not to trap your fingers between the brake pin (B) and rear wheel.

5.12.1.2.Adjustment



Tool: 5 mm Allen key

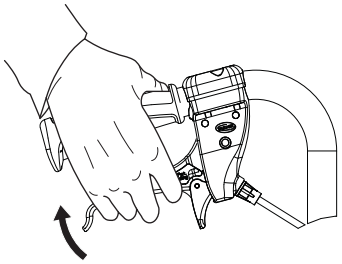
2. To attain the correct braking effect, the brake pin should press into the tyre when you apply the brake. The brake may therefore require depth adjustment. Loosen the screw (A) and move the brake attachment to the required position. Re-tighten the screw (A). There should be a distance of approximately 6 mm between the pin (B) and the tyre (C).

Be careful not to trap your fingers between the brake pin (B) and rear wheel.

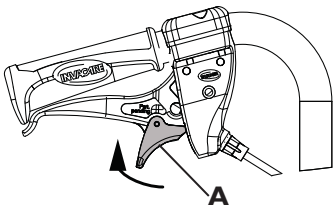
Incorrect setting or use of the brake reduces the braking effect.

5.12.2 Carer operated brake

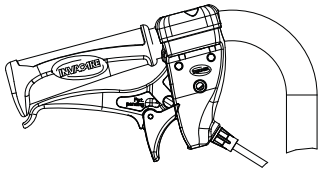
1.



2.



3.



1. Braking when moving: squeeze both brake handles upwards, and the brake will be applied.

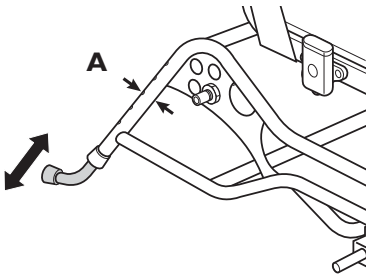
2. Locking the brakes: squeeze the handle and move the lock catch (A) upwards. Then release the handle.

3. Releasing the brakes: squeeze the handle and the lock catch will release automatically.

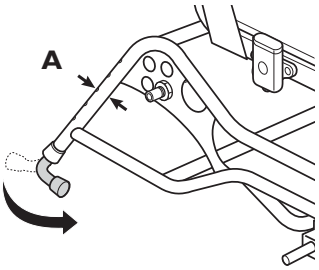
Incorrect setting or use of the brake reduces the braking effect.

5.13 ANTI-TIP DEVICES

1.



2.



The anti-tip device also acts as a step tube. It is height-adjustable and easy to adjust.

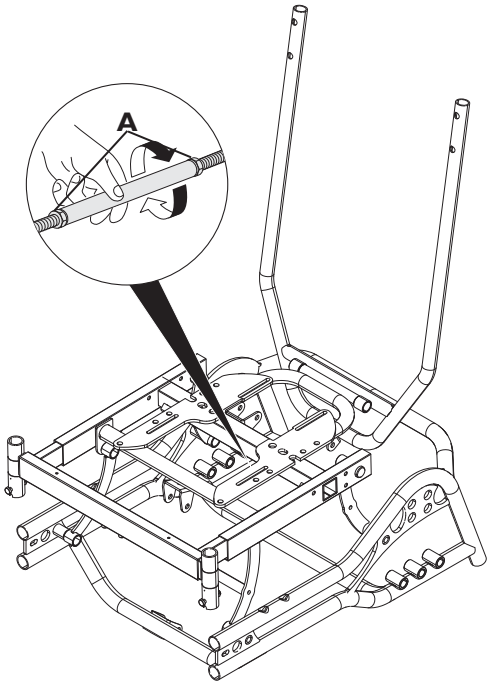
1. Press the spring-loaded buttons (A), raise or lower the anti-tip device and ensure that the spring-loaded buttons (A) pop out into place properly in their new position.

2. Fold the anti-tip device under the wheelchair by pressing the spring-loaded buttons (A), turning the anti-tip device to the required position, ensuring that the buttons (A) pop out again into position.

Never forget to fold down the anti-tip devices.

5.14 AZALEA BASE

5.14.1 Backrest angle - rigging screw



1. To adjust the angle of the backrest, first loosen nuts (A) on the rigging screw using a 17 mm fixed spanner.

2. Turn the metal tube to set the desired angle for the back.

3. Retighten the nuts.

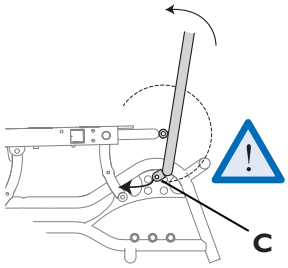
5.14.2 Carer-operated controls

The Azalea Base can also be equipped with gas pistons for carer-operated controls. You can adjust the angle of the backrest forwards or backwards and tilt the whole seat unit including the backrest. These two functions can either be controlled manually or electrically. See page 16 for more detailed instructions.

5.14.3 To observe when using the tilt and recline on Azalea Base

1. The back should not be reclined when the Azalea Base is equipped with one-piece moulded seat attachments as these attachments might break.

2. The low pivot point causes shearing when the back is reclined, this might result in discomfort for the user. Make sure that the user is well positioned after each adjustment.

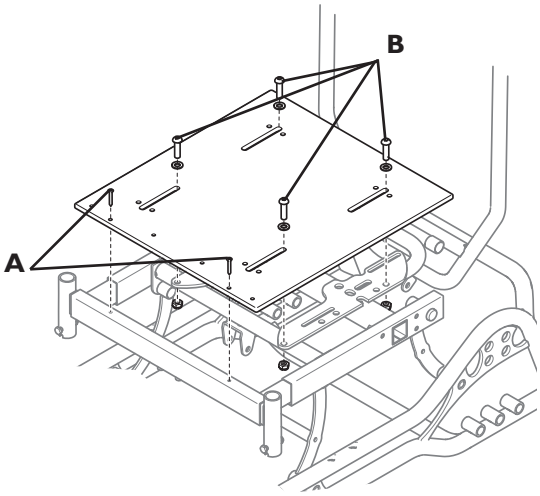


Observe that the seat unit needs to be tilted slightly before the back is dismounted/folded. Otherwise the gas piston attachment (C) will scratch the surface on the chassi cross tube. This might eventually lead to corrosion.

5.14.4 Seat attachment

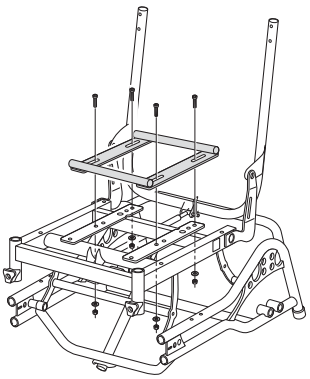
There are four options how to attach a seat to the Azalea base.

1. Direct on the seat brackets.
2. On a seat plate
3. On a seat plate with a wedge
4. With the H-bracket



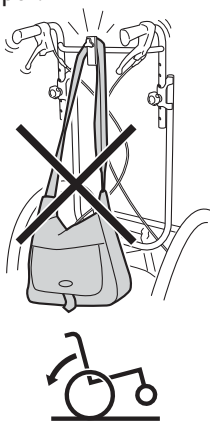
Seat plate
The seat plate can either be used as a base for a seat cushion or for attaching seat shells and other seating modules. When delivered, the seat base is fixated with two screws (A). If a seat shell is to be attached, the seat plate needs to be fixated with four additional screws (B). These are delivered with the wheelchair. The seat plate is adjustable in depth.

Seat plate with wedge
The seat plate with wedges is an option that gives the possibility of 5° extra tilt either in front or in the back



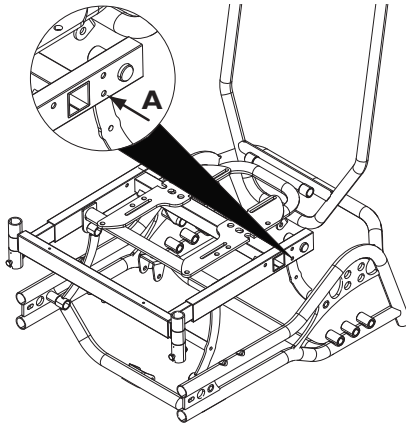
H-bracket
The H-bracket is used when attaching a quick-realease seat shell to the Azalea Base.

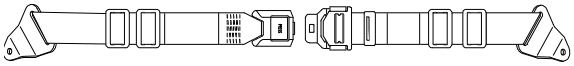
The H-bracket is adjustable in depth.



Do not hang anything on the headrest attachment. It may cause the wheelchair to tip very easily.

5.14.5 Pelvic belt





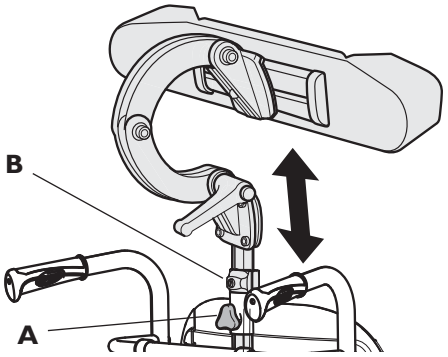
Fasten the belt on the frame with a screw and nut as per the illustration above (A).

Belts/harnesses which are CE-marked for the purpose of using on wheelchairs, can be mounted on the chair with preserved CE-marking. The belt/harness should be fitted by the responsible prescriber and be mounted by an experienced technician.
However, when transporting the wheelchair in a vehicle, Invacares original pelvic belt must be used as a complement to the safety belt in the vehicle! (See chapter 7 "Transport).

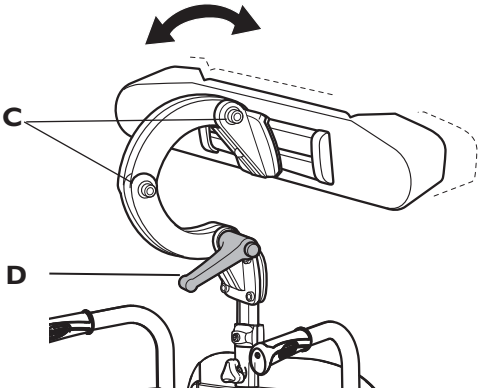
5.15 ACCESSORIES

5.15.1 Head rest

1.



2.



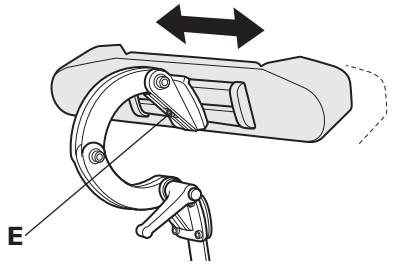
The height and the removal are operated by the handwheel (A). The bar is equiped with an adjustable stop block (B).

1. To adjust the height of the head rest, first loosen the screw (B) in the stop block, then loosen the handwheel (A). Adjust the head rest to the desired position and re-tighten the handwheel (A). Now slide the stop block down to the top of the headrest attachment and tighten the screw (B).

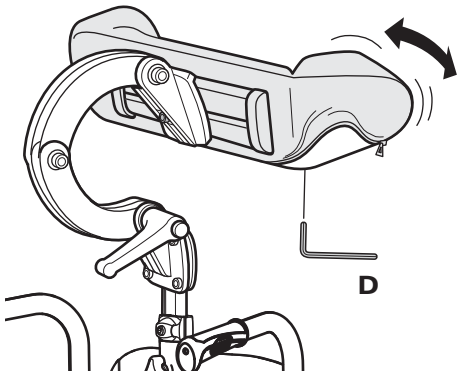
   It is now possible to remove the headrest and reinsert it in the desired position without further adjustments.

2. The angle and depth is adjusted by the two screws (C) and the handle (D). Loosen, adjust and re-tighten.

3.



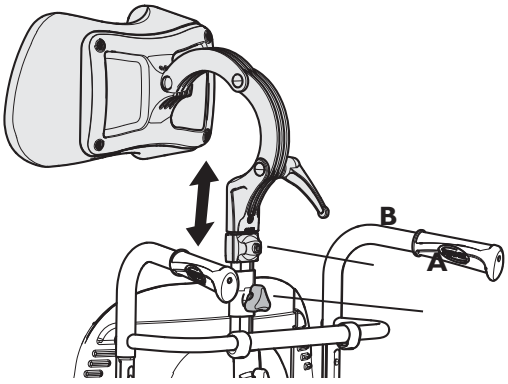
4.



3. The sidewise adjustment is made by loosening screw (E). Adjust and re-tighten.

4. The angle of the wings is adjusted by loosening screws (D). Adjust and re-tighten.

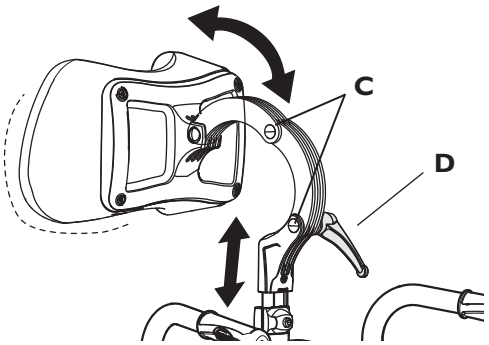
5.15.2 Neck rest



1. To adjust the height of the neckrest, first loosen the screw (B) in the stop block, then loosen the handwheel (A). Adjust the neckrest to the desired position and re-tighten the handwheel (A).
Now slide the stop block down to the top of the neckrest attachment and tighten the screw (B).

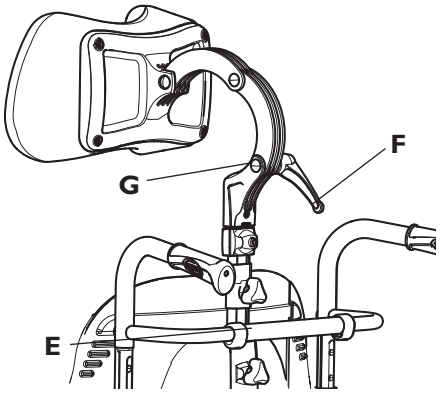
It is now posible to remove the neckrest and reinsert it again in the desired position without further adjustments.

2.

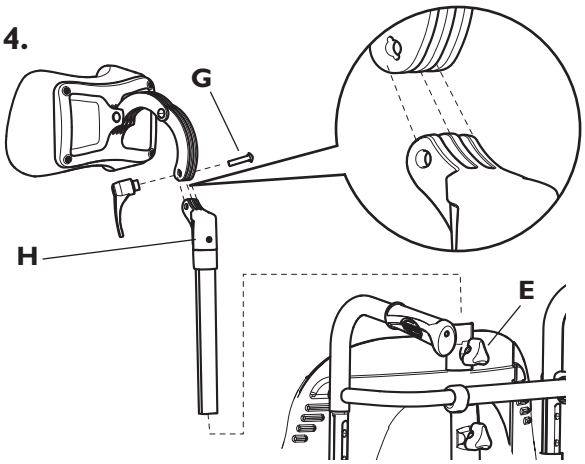


2. The angle and depth is adjusted by the two screws (C) and the handle (D). Loosen them and adjust.

3.



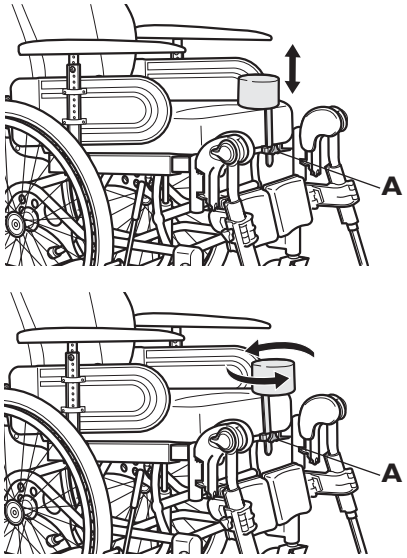
4.



3. You can also adjust the angle and depth by turning the attachment for the neckrest. Loosen the handwheel (E) and remove the neckrest. Loosen the handle (F) and remove screw (G) and the handle.

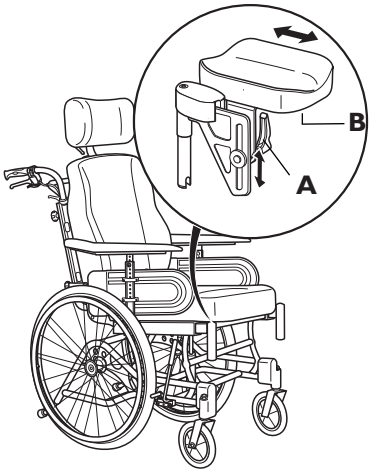
4. Rotate the neckrest attachment pole incl. the attachment (H), return the neckrest to the attachment (see ill.). Note that the screw to the neckrest attachment (G) and the handle (F) must be mounted on the opposite side due to the groves in the screw hole. Return the neckrest to the attachment on the backrest and tighten the handle (E) again.

5.15.3 Abduction cushion



1. The height adjustment and removal is operated by the handwheel (A).
2. The depth is adjusted in a forward or backward position. Loosen handwheel (A) and turn.

5.15.4 Amputee legrest

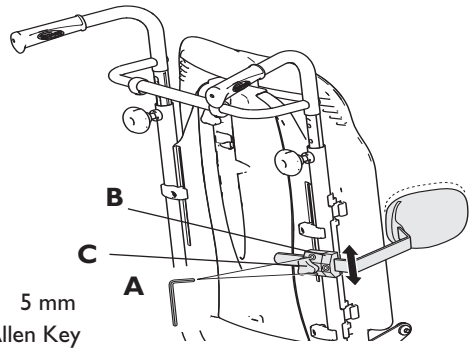


1. Attach the legrests by pushing the tube at the upper part of the legrests down into the tubes on the wheelchair. Lock the legrests by turning them inwards.

2. Slacken lever (A), on the cushion's mounting, in order to adjust the cushion's angle and height. Slacken screws (B) under the cushion, in order to adjust the cushion depth.

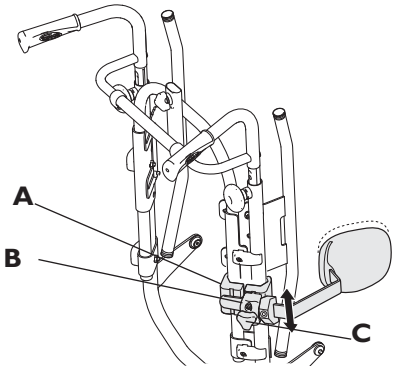
Warning: Risk of tipping!
There is an increased risk of tipping for amputated users. Use anti-tippers and/or re-balance the wheelchair when amputee legrests are used.

5.15.5 Trunk support with fixed arm

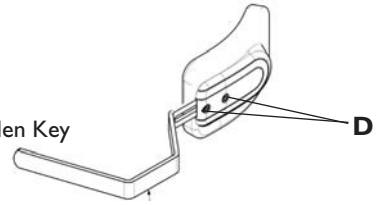


Tool: 5 mm Allen Key

Height adustment trunk supports for backrest plate
You adjust the height by first loosening the screws (A) whilst moving the attachment (B) upwards or downwards. Re-tighten the screws (A).



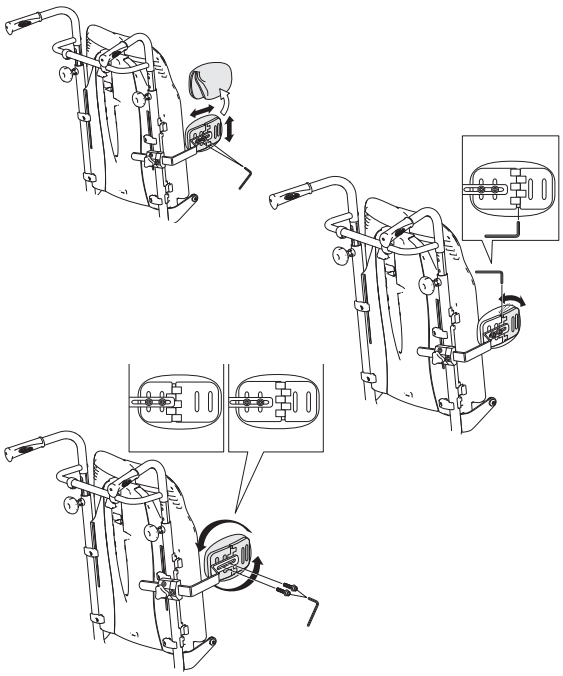
Height adustment trunk supports for adjustable backrest
You adjust the height by first loosening the screw (A) whilst moving the whole attachment (B) upwards or downwards. Re-tighten the screw (A).



Tool:
5 mm Allen Key

Trunk support with fixed cushion.
The trunk supports can be adjusted in height, depth and sideways.

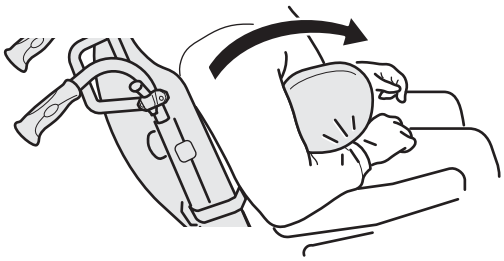
1. You adjust the trunk supports sideways by loosening the knob (C), moving the support sideways to the required position and then re-tightening the knob (C).
2. To adjust the depth of the trunk supports, loosen the screws (D) with an Allen key, and move the trunk support forwards or backwards. Retighten the screws.
3. Remove the trunk support by loosening knob (C) and pulling the trunk support sideways and outwards.



Adjustment of the multiadjustable cushion

Remove the cover and see illustrations to the left for suggestions of:

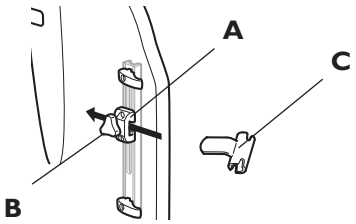
- height and depth adjustment
- angle
- small side support / large trunk support Alt.1
- large side support / small trunk support Alt. 2



Be careful not to trap your arm between trunk support and armrest when changing the angle of the backrest.

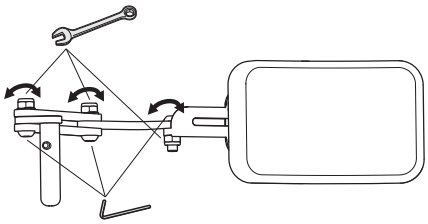
5.15.6 Trunk support "swing-away"

1.



1. The holder for the "swing-away" trunk support is placed in the attachment (A) on the backrest. Loosen the knob (B), place the holder (C) and then re-tighten the knob again.

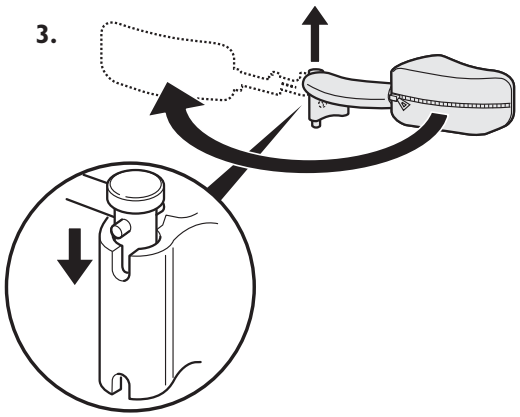
2.



Tools: 5mm Allen key
13 mm fixed spanner

2. The angle can be adjusted by loosening the screws and bolts on the trunk support arm. Remember to re-tighten the screws and bolts when the required position is achieved. Hold with the hexagon key and tighten with the fixed spanner.

3.

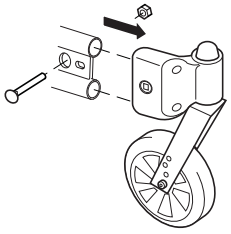


3. The "swing-away" trunk support can be turned sidewards in order to be out of the way when the user is moving in to or out of the wheelchair.

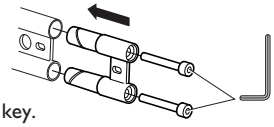
The cover on the trunk support arm must always be on when the chair is in use. Risk of pinching.

5.15.7 Chassi extender

1.

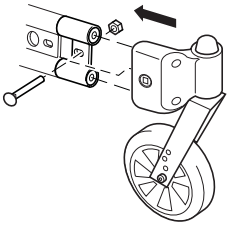


2.



Tools: 5 mm Allen key.

3.



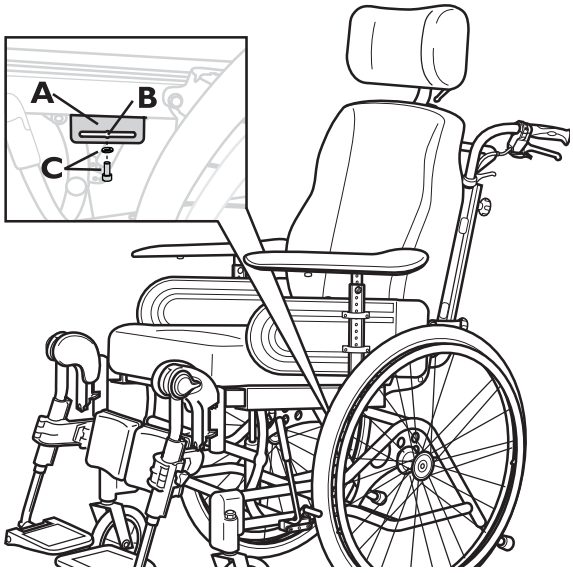
The wheelchair frame can be lengthened by 5 cm to improve stability and propelling characteristics when there is a lot of weight on the castors.

1. Loosen the screw and nut and remove the castor housing.

2. Push the frame extension into the frame tubing and tighten the screws that are inside the frame extension tubes.

3. Remount the castor housing, now onto the frame extension.

5.15.8 Attachment positioning belt



1. Loosen and remove the screw and the washer for the legrest attachment (C).

2. Place the attachment (A) on the frame as shown on the picture.

3. Adjust the attachment to the required position.

4. Use the screw and the washer (C) to fixate the attachment and tighten the screw.

5. The positioning belt should be placed in the slot (B) on the holder (A).

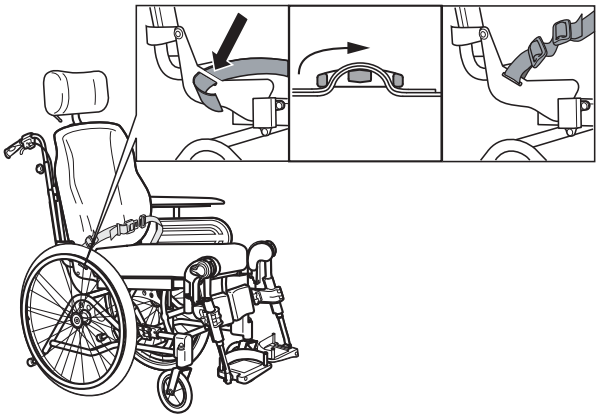
The attachment (A) must not be used for safety belts when transferring the user in a vehicle.

Positioning belts which are CE-marked for the purpose of using on wheelchairs, can be mounted on the chair with preserved CE-marking. The positioning belt should be fitted by the responsible prescriber and be mounted by an experienced technician.

However, when transporting the wheelchair in a vehicle, Invacares original pelvic belt must be used as a complement to the safety belt in the vehicle! (See chapter 7 ”Transport).

5.15.9 Pelvic belt

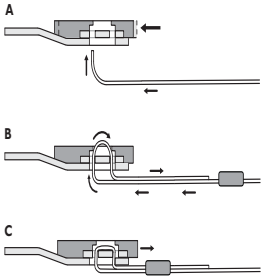
1. The pelvic belt is used to prevent the risk of falling or sliding out of the chair and for providing the user with a good posture.



2. The pelvic belt is mounted on the backrest brackets. Thread the belt through the mounting on the chair and then through the two plastic buckles as shown in the picture. It is important that both buckles are used. There is a danger the belt might slip if the belt is threaded through only one.
3. **Adjustment**
   Ensure that the user is sitting fully back in the seat and that the pelvis is as upright and symmetrical as possible - not forward on one side or tilted back. Position the lap belt so that the hip bones can be felt above the belt. Adjust the length using the buckles so that there is just sufficient room for your hand to slide between your body and the belt. It is recommended that the clasp is kept in a central position, i.e. make adjustments to each side. These adjustments should be checked and possibly changed each time the belt is used.

Belts/harnesses which are CE-marked for the purpose of using on wheelchairs, can be mounted on the chair with preserved CE-marking. The belt/harness should be fitted by the responsible prescriber and be mounted by an experienced technician.

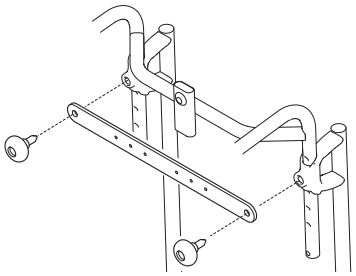
However, when transporting the wheelchair in a vehicle, Invacares original pelvic belt must be used as a complement to the safety belt in the vehicle! (See chapter 7 ”Transport).



4. If the belt has come loose at the metalic clasp it should be threaded according to the pictures A-C. Please, make sure that the belt cannot slide.

Please observe that the pelvic belt for the Azalea Max is considerably longer than the other versions and they are not interchangeable.

5.15.10 Azalea base Harness attachment



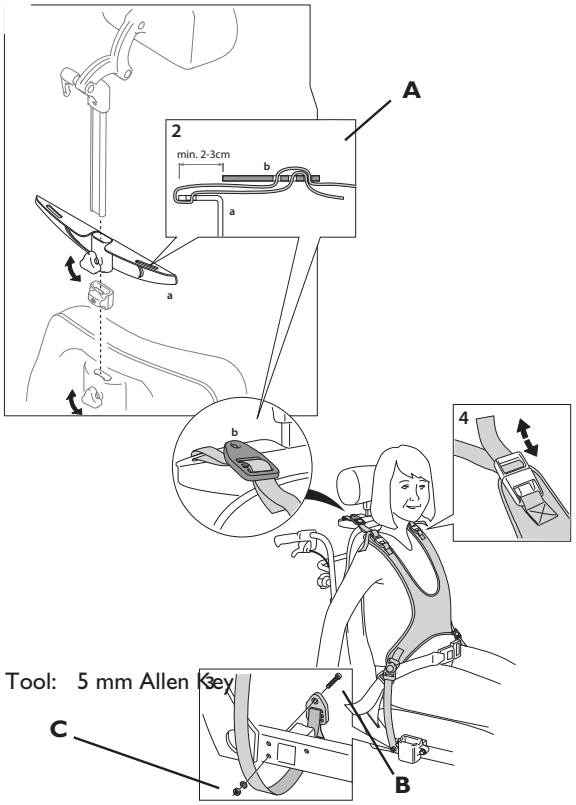
Loosen the handwheels for the push handles and fit the harness attachment device. Put the hand wheels back and tighten.

Warning Risk of choking
When the wheelchair is tilted or reclined the harness can move and cause hazard to the user. Make sure that the harness is correctly positioned ager each adjustment.

5.15.11 Privacy attachment

Attach the privacy attachment on the velcro, both on the seat and on the backrest (see picture).

5.15.12 Harness attachment holder



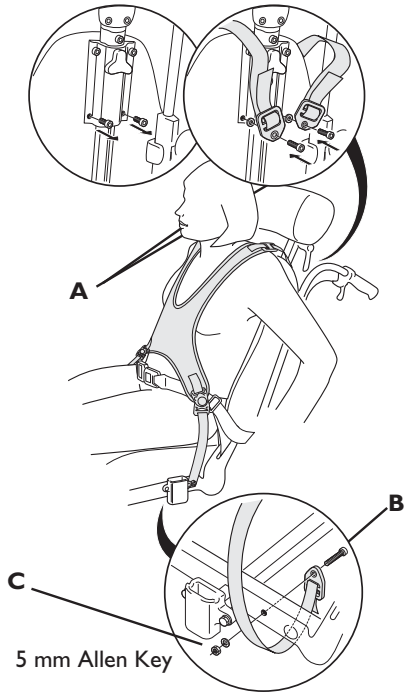
Tool: 5 mm Allen Key

The harness which is used with the harness attachment holder, should be fitted by an experienced clinican or technician. The harness must always be used in combination with the pelvic belt and should be worn on top of the pelvic belt. Make sure that the harness does not put too much pressure on any point.

The holder for the harness and the Flex 3 backrest is mounted on the neck-/headrest pole.

1. Loosen the handwheel and remove the neckrest, fasten the harness holder onto the neckrest pole and tighten the handwheel.
2. The harness is mounted on the holder for the harness. Thread the straps through the harness holder and the harness clamp as shown (A).
3. To mount the lower straps, loosen the armrest attachments with the screws under the seat. Pull out the attachments approx. 5 cm. The strap mountings should be fastened from the inside of the frame (see illustration 2). Insert the screw (B) through the eyelet and into the hole in the frame as shown. Secure with washer and nut (C).
   Put the armrest attachment back in its original place.

5.15.13 Harness for Azalea Minor



Tool: 5 mm Allen Key

This item should be fitted by an experienced clinican or technician.The harness must always be used in combination with the pelvic belt and should be worn on top of the pelvic belt. Make sure that the harness does not put too much pressure on any point.

1. The harness is mounted on the headrest attachment. Remove screws and discard, position washers and harness as shown (A) and insert new screws through the eyelets into the attachment and tighten the screws.

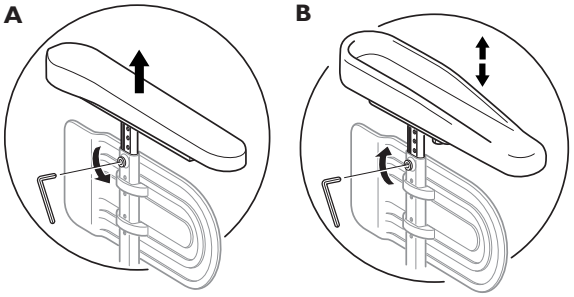
2. To mount the lower straps, loosen the armrest attachments with the screws under the seat. Pull out the attachments approx. 5 cm. The strap-mountings should be fastened from the inside of the frame (see illustration 2). Insert the screw (B) through the eyelet and into the hole in the frame as shown. Secure with washer and nut (C).
   Put the armrest attachment back in its original place.

Always use a harness in combination with a pelvic belt to prevent the user from accidently sliding down in the wheelchair.

The harness may not be used during transport in a vehicle, i.e it must not be used as a safety belt.

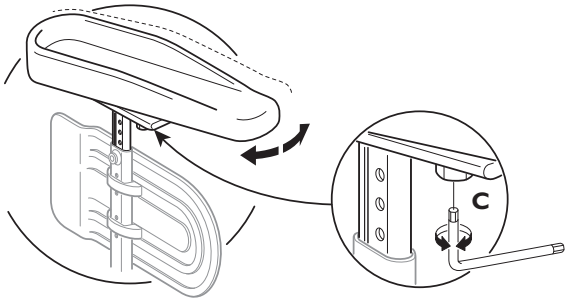
Belts/harnesses which are CE-marked for the purpose of using on wheelchairs, can be mounted on the chair with preserved CE-marking. The belt/harness should be fitted by the responsible prescriber and be mounted by an experienced technician.
However, when transporting the wheelchair in a vehicle, Invacares original pelvic belt must be used as a complement to the safety belt in the vehicle! (See chapter 7 ”Transport).

5.15.14 Hemiplegic armrest

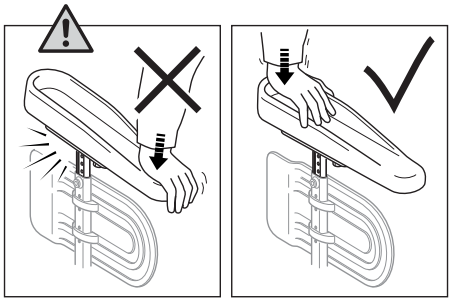


1. Loosen the screw and remove the original armrest (A).

2. Mount the hemi armrest in the armrest pole and retighten the screw (B).

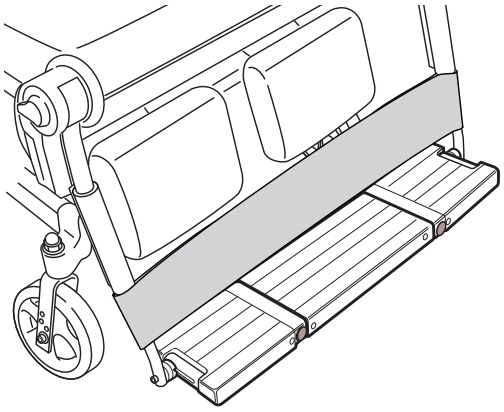


3. The hemi armrest can be adjusted in angle. The resistance can be increased/decreased by adjusting the screw (C).



Do not put pressure on the front of the armrest, as this could cause damage on the armrest attachment.

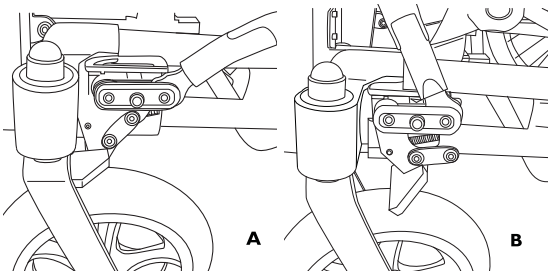
5.15.15 Heel strap - Azalea Max



Mount the heel strap above the footplates, wrap the end parts around the legrest tube and fixate the velcro parts.

The heel strap must not slacken to much in order to give the proper support for the user.

5.15.16 Directional lock - Azalea



The directional lock fixate the castor in a straight position.

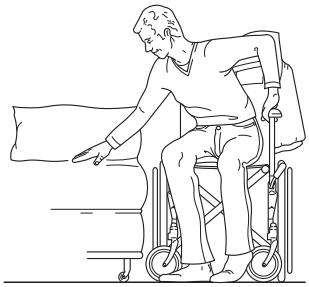
A) Activated
B) Disabled

The directional lock is not a brake, and must be used in combination with the standard brake.

6. Using the wheelchair

We recommend that you have the chair tested by the qualified person who has prescribed the wheelchair, after he or she has made the adjustments that you request, taking your build and needs into account. We hope that you have also received help in learning how best to use the wheelchair. Start by practising carefully until you are familiar with the wheelchair's possibilities and limitations.

6.1 Move to/from the wheelchair

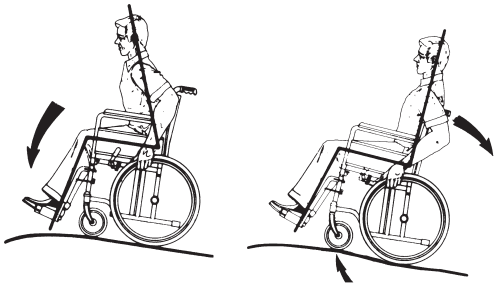


Propel the wheelchair as near as possible to the seat that you want to move to. Apply the brake. Remove the armrests or move them upwards out of the way, and detach the legrests or swing them outwards. Do not support yourself on the footplates as this may cause the chair to tip forwards.

6.2 Stretching and leaning

Propel the wheelchair as near as possible. When stretching and bending, do always have full contact between the backrest and the back otherwise the wheelchair may tip over. Stretching behind the back is not recommended.

6.3 Propelling up a slope



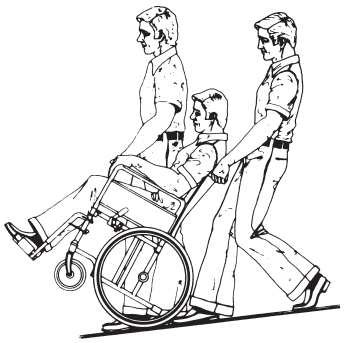
Many experienced users can propel themselves up a slope. In order not to lose control of the steering and to avoid tipping backwards, you should always lean forwards whilst propelling up a slope. Propel the wheelchair forwards using short, quick strokes applied to the hand rims, in order to maintain speed and steering control.

The wheelchair can manage a slope of 15°, but steep slopes should be avoided for safety reasons.

Generally, help is needed on steep slopes.

If you have to stop on a slope, it is particularly important to ensure that you do not make any sudden or unexpected backward movements when you start moving the wheelchair forwards again. As the wheelchair is already leaning backwards, such a movement may cause the wheelchair to tip backwards.

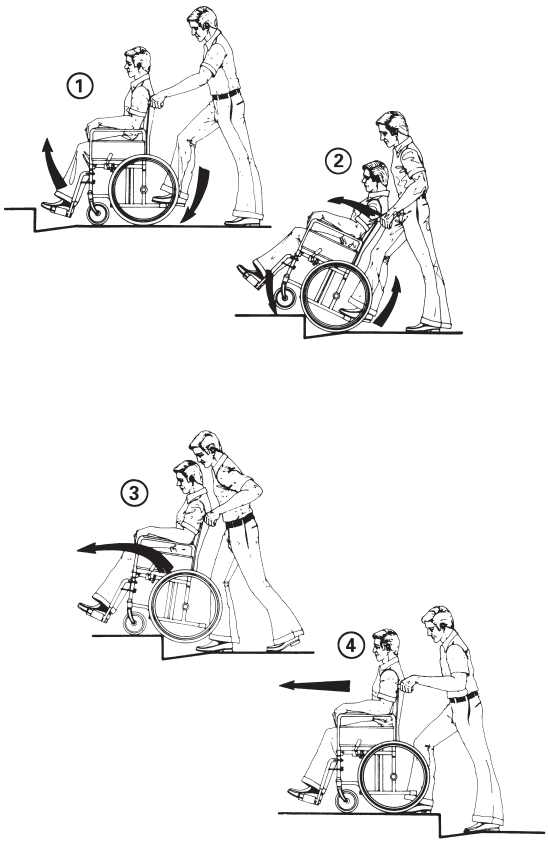
6.4 Propelling down a slope



The wheelchair can manage a slope of 15°, but steep slopes should be avoided for safety reasons. We recommend that you obtain the help of one or more assistants when going down steep and wet slopes.

First check the slope to see if there are any particular hazards, potholes, slippery sections, etc. Never use the user-operated brake to slow down. When you apply the brake on a downward slope, the wheels lock and the wheelchair can suddenly pull to one side, tip sideways or stop immediately, which may cause you to be thrown out of the chair. Always control the speed with the hand rims. Remember that the hand rims may become hot due to friction, and this may cause injury to your hands. Try to propel down the slope in a straight line as much as possible.

6.5 Climbing a kerb



This method is for when the assistant is always behind the wheelchair and it creates the greatest safety for the user.
The following advice is for the assistant:
Illustration 1) Adjust the anti-tip devices upwards. Ensure that the user's feet rest securely on the footrests and cannot slide off. Then tilt the wheelchair backwards and push it forwards against the kerb.

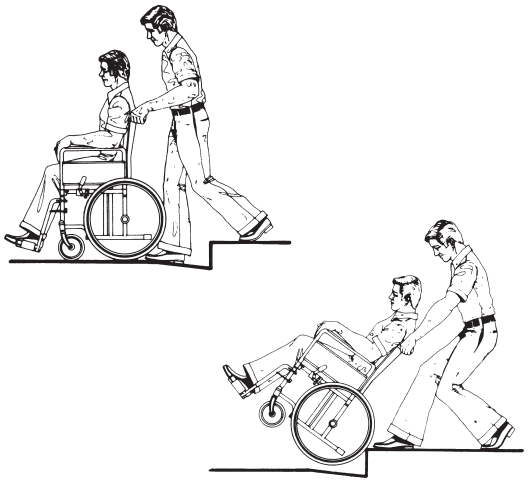
Illustration 2) Lower the frontal part of the wheelchair onto the pavement and place yourself as close to the chair as possible, before you lift up the whole wheelchair.

Illustration 3) Lean forward and lift/roll the wheelchair over the pavement edge.

Illustration 4) Lower the wheelchair onto the pavement so that the weight is divided on all four wheels. Ensure that the wheelchair does not roll backwards.

To dismount kerb, follow the procedure above, but in reverse order (step 4, 3, 2 and then 1) to move off a kerb.

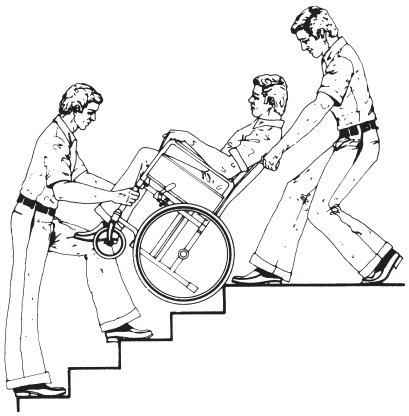
6.6 Kerbs – alternative method



This method is generally used by experienced assistants who are stronger than average. It can also be used when the kerb or step is low and only constitutes a minimal obstacle.

The assistant steps backwards onto the pavement and pulls the wheelchair up onto the pavement. It is important for the assistant to use his or her body correctly to prevent injury. Tip the wheelchair backwards and roll the chair over the kerb onto the pavement. Take particular care if the kerb is wet or slippery.

6.7 Escalators and stairs



Do not use escalators when you are in the wheelchair. Find out whether there is a lift nearby.

We recommend that you receive help from two assistants to get up and down stairs. One assistant walks in front of the chair holding the frame of the wheelchair, whilst the other assistant walks behind the chair, holding the push handles. Check that the push handles/push bar are securely fixed in place before you start. Fold the anti-tip devices upwards. Balance the wheelchair on the rear wheels until the balance point is found. The wheelchair is then rolled down the stairs, step by step, by letting the rear wheels roll over the edge of each step. Assistants must not lift by gripping the removable armrests or legrests. They must remember to lift the chair at the correct points, to use their legs and to keep their backs as straight as possible.

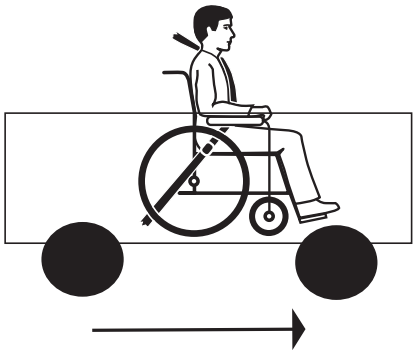
7. Transport

Invacare has continuously worked to improve the safety in all our products for the users in different everyday situations. This has, among other things, meant that Invacare since the mid 1990's has let accredited research institutes crash test several of the manual wheelchair models. We would like to inform you about the transport of wheelchairs with seated users in vehicles that are especially adapted for this purpose. First and foremost, we would like to point out that it is always the safest option for the user to be transported in the vehicle's regular seat fastened with the regular safety belt. Invacare cannot recommend transport seated in the wheelchair. But, we are aware that there are users and situations that require vehicle transport seated in the wheelchair. In these cases, the safety rules in this section must be followed in order to reduce the risk of injury in the case of an accident. Please also see chapter 1.11 "Intended use REA Azalea Base".

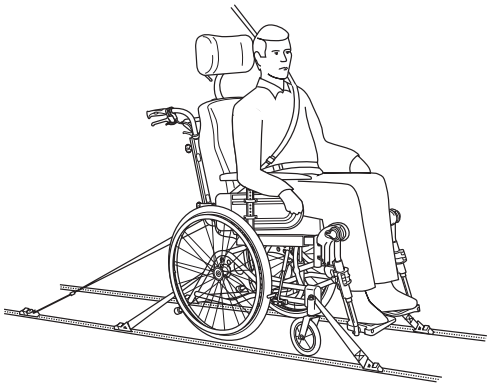
The wheelchair has been tested according to the specifications in ISO 7176-19 "Wheeled mobility devices for use as seats in motor vehicles".This means that it has been through and met the requirements in a standard test of one possible situation – full frontal collision in 48 km/h with a deceleration of 20 g and a 75 kg test dummy. The test standard ISO 7176-19 is developed by authorities and specialists and it states a minimum demand on wheelchairs regarding transport in vehicles. This standard is updated regularly as knowledge and experience increases.

In reality, an incident will be different from the circumstances in a test laboratory environment. For example will speed, impact angle, configuration of the chair, user weight and deceleration probably vary. Invacare declines any responsibility for the outcome of a possible accident where our products are involved.We have chosen to test what we believe to be a frequently occurring configuration with common adjustments made. Configurations and accessories that are unsuitable for seated transport in a vehicle are mentioned later on in this chapter. Please also see chapter 1.11 "Intended use REA Azalea Base"

7.1 Transporting wheelchairs with users in vehicles



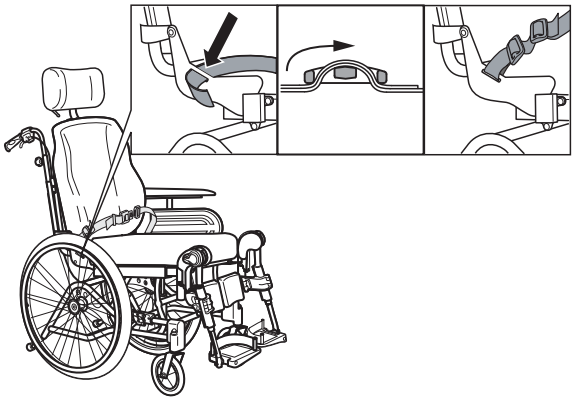
1. The wheelchair and user should be transported forward-facing in the direction of travel. All auxiliary equipment such as tables, trunk support, abduction cushion etc should be removed and stored safely so that they do not injure anyone during any kind of accident.



2. The wheelchair should be secured in the vehicle with a 4-point restraint system. The user should wear a 3-point safety belt secured in the vehicle. Both the 4-point restraint system and the 3-point safety belt should be approved according to ISO-10542-2.

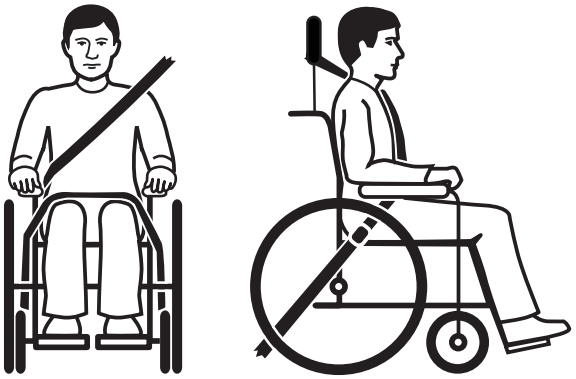
3. The tie-down points on the wheelchair where the restraint system straps should be placed are marked with this symbol.

i For vehicles where the wheelchair can not be restrained, there are no existing test methods. If there are existing marked areas for wheelchairs in the vehicle, we recommend to use these and follow the guidelines, if any, for placing the wheelchair.

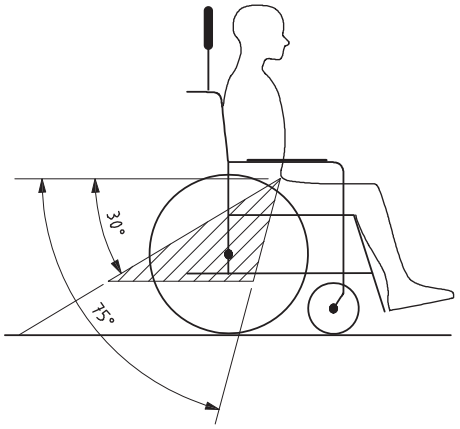


4. In order to be used as a seat during transport in a vehicle, the wheelchair must be equipped with a pelvic belt.

Invacares original pelvic belt must be used as a complement to the safety belt in the vehicle!



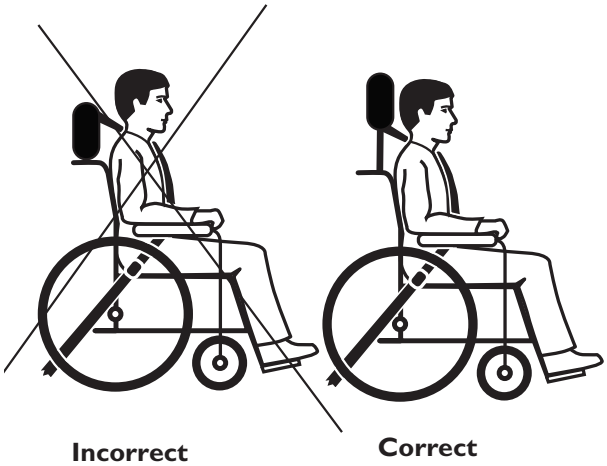
5. The vehicle's safety belt should fit as tightly across the user's body as possible without discomfort. The upper part of the safety belt should fit over the user's shoulder as illustrated. No part of the safety belt must be twisted.



6. The pelvic part of the 3-point safety belt must be worn low across the pelvis so that the angle of the pelvic belt is within the preferred zone (A) of 30° to 75° to the horizontal. A steeper angle is preferred, but never exceeding 75°.

Incorrect placement of safety belt

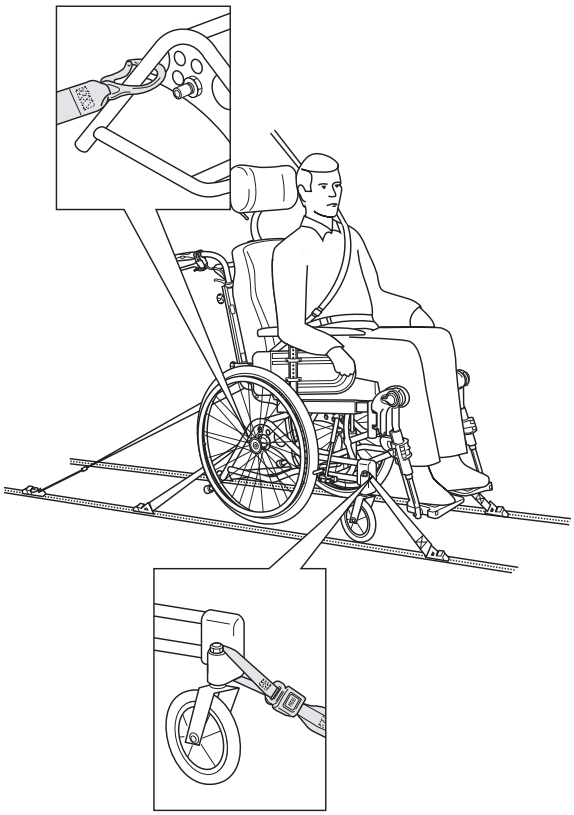
7. The 3-point safety belt must not be held away from the user's body by parts of the wheelchair such as armrests or wheels etc.

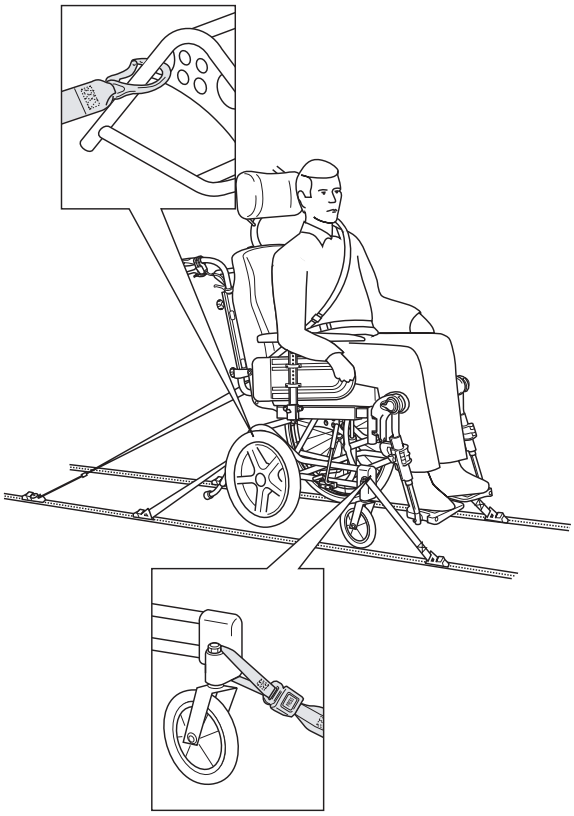


Incorrect **Correct**

8. A headrest should always be used during transport and it should be adjusted as shown in the picture.

7.2 Restraint methods





Frontal restraints with straps

1. Connect the frontal straps around the castor attachment. See pic A.
2. Release brakes and tension front straps by pulling the wheelchair backwards. Re-apply wheelchair brakes.

Rear restraints

1. Attach the snap hooks on the rear straps to the vertical rear tube by the rear wheel attachment.
2. Tighten the straps.

Fastening of pelvic belt and safety belt

1. Check that the pelvic belt on the wheelchair is correctly fastened.
2. Fasten the 3-point safety belt around the user.

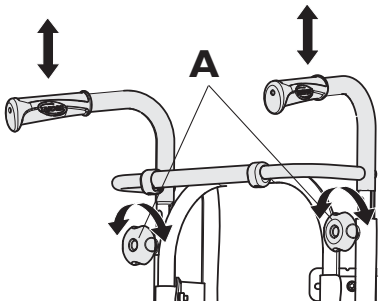
⚠ If there is no pelvic belt in on the wheelchair the user must transfer to the seat of the vehicle.

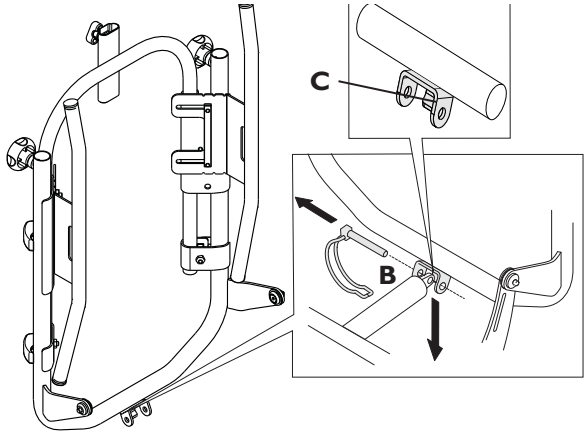
⚠ The safety belt should not be kept from the user's body by the parts of the wheelchair.

⚠ Never use the harness and pelvic belt in a vehicle as a safety belt. A belt designed for transport in vehicles must always be used.

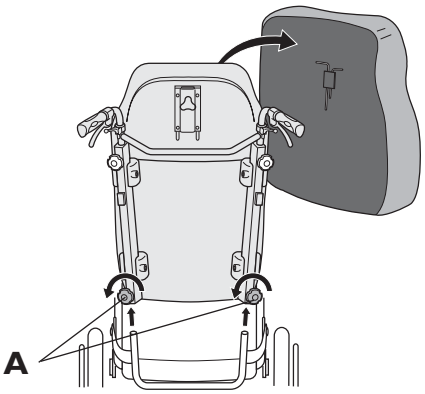
7.3 How to disassemble your Azalea® to transport it as luggage

The Rea® Azalea is easy to prepare for transport.

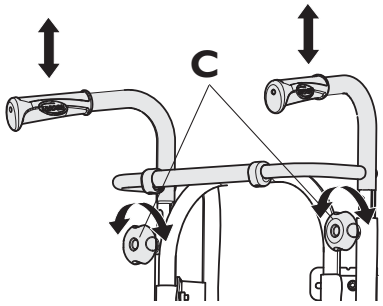




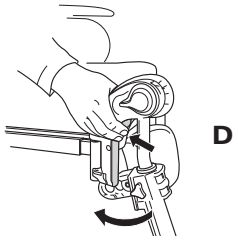
Backrest
Remove the backrest cushion by pulling it forwards, thus separating the Velcro straps. Lower the push handles to the lowest position by loosening the hand-wheels (A). Release the pin (B) and carefully remove it. The gas piston can rest on the lip (C). Fold the backrest and let it rest on the seat. Be careful with the cables that run from the rear wheel to the push handles.



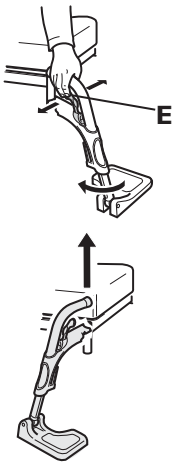
Backrest Azalea Minor
Remove the backrest cushion by pulling it forwards, thus separating the Velcro straps.
Loosen both knobs (A) and pull the backrest directly upwards. Lay the backrest on the seat, where it can remain during transport of the wheelchair. Where applicable, detach the push handles. Be careful with the cables that run from the rear wheel to the push handles.
When detaching the backrest and placing it on the seat, try to make sure that the cables hang freely.



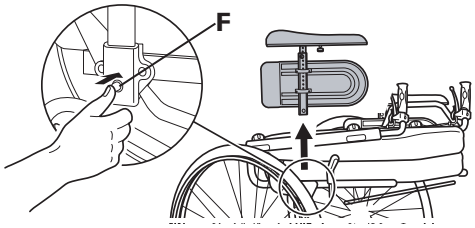
Push handles braced/push bar
Loosen the two knobs (C). The height of the handles can be adjusted simply by pulling the handles upwards or pushing them downwards.



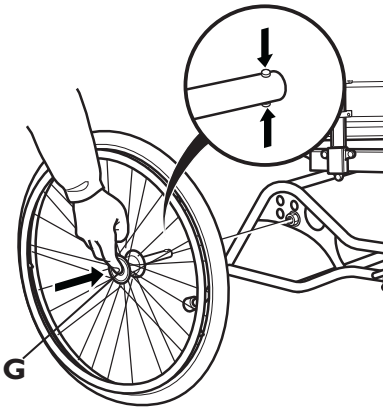
Legrests angle adjustable
The legrests are loosened by pushing the lever (D) forwards whilst turning the legrests outwards. You can then simply lift off the legrests.



Legrest fixed
The footrests are loosened by pushing the handle (E) forwards or sidewards whilst turning the footrests outwards. You can then simply lift off the footrests.



Armrests,
Press the button (F) on the spring to release before removing the armrest.



Rear wheels
Remove the rear wheels by pushing buttom (G) and pulling the wheel straight out.

8. Maintenance

8.1 Safety Information

Regular checks and maintenance of the wheelchair ensure the user's safety and the expected lifetime of the chair.

8.2 Maintenance schedule

Check...	Weekly	Montly	6 months
Tyre pressure	X		
QR axles rear wheels	X		
All fasteners for wear and tightness		X	
Castors		X	
Anti-tip devices			X
Chassis			X
Upholstery			X
Brakes		X	

Tyre pressure

Recommended air pressure for rear wheels:

Standard tyres	3.5 bar	50 psi
Low profile tyres	7.0 bar	90 psi

Recommended air pressure for castors:

(200 mm) 8" 4.0 bar

Quick release axles rear wheels

Pull on the rear wheel to check that the removable axle does not come off.

All fasteners (bolts)

Bolts and other fastners ca come loose due to constant use.
Check that the fasteners are tight on the castor forks, fottret, seat, side supports, backrest, handles etc.
Tighten any loose bolts.

Castors

Check that the castors turn freely.
Remove any dirt and hair.

Anti-tip devices

Check that the anti-tip device is easy to adjust and fold.

Chassis

Check the chassis for wear and tear like loose parts, cracks or other defects. A damaged chassis should be checked by a specialist.

Upholstery

Check the upholstery for wear and tear like loose parts, rips or other defects.

Brakes

Check that hub brakes work properly on both tyres.
Check the positioning of the user brakes.

8.3 Cleaning

Wipe metal parts and the upholstery regularly with a damp cloth. A mild detergent may be used. If necessary, the upholstery can be washed at 40° C. Normal washing powder/liquid may be used.
For disinfection only use alcohol based detergent.

Washing and Disinfection

1. Remove all loose and removable covers and wash these in a washing machine following the washing instructions for each article.

2. Spray the wheelchair with detergent, for example a car-cleaning agent with wax, and leave on to work.

3. Rinse the wheelchair with a high-pressure cleaning or ordinary jet of water depending on how dirty the chair is. Do not aim the jet towards bearings and draining holes. If the wheel chair is washed in a machine the water must not be hotter than 60 degrees.

4. Spray the chair with alcohol for disinfection.

5. Leave the chair to dry in a drying cabinet. Remove parts where water has collected for example in end tubes, ferrules etc. If the chair has been washed in a machine, blow-drying with compressed air is recommended.

8.4 flat tyre

If you have a flat tyre on your wheelchair, contact your Invacare dealer in order to get the flat tyre attended to by competent personnel.

9. After use

Recycling
The wheelchair Rea® Azalea can be divided into the following main components:

- Chassis
- Plastic parts
- Upholstery
- Wheels, tyres and tube
- Packing

Chassis
The chassis is produced in steel and is fully recyclable. Recycling of steel requires only 20-25% of the energy compared to new produced steel. Rea® Azalea has two gas pistons and they contain oil and must be disposed according to national requirements. Be aware of that the gas pistons contains high pressure and must be handled with care during destruction.

Plastic parts
The plastic parts in the chairs are produced of "Thermoplastic" and are marked with recycling symbols (where it is possible due to part size). The main plastic material is polyamide. This material can be recycled or burned in approved facilities.

Upholstery
Upholstery is produced of polyester fibres (PUR). The efficient way to recycle the parts is to burn them in approved facilities.

Wheels, tyres and tubes

- The handrim, rim, spokes and hub are made of steel, stainless steel or aluminium and can be recycled according to above.
- Tyres and tubes are made of rubber and can be recycled according to above.

Packing
All Invacare Rea AB packing material is developed to fit the products in an optimal way to reduce unnecessary material waste. All boxes are recyclable.
Contact your local recycling agent to otain the correct information on how to handle the above mentioned materials.

Manufacturer

Invacare Rea AB
Box 200
SE-343 75
Diö SWEDEN

Sales Companies

Belgium & Luxemburg:
Invacare nv, Autobaan 22, B-8210 Loppem
Tel: (32) (0)50 83 10 10, Fax: (32) (0)50 83 10 11
belgium@invacare.com / www.invacare.be

Denmark:
Invacare A/S, Sdr. Ringvej 37, DK-2605 Brøndby
Tel: (45) (0)36 90 00 00, Fax: (45) (0)36 90 00 01
denmark@invacare.com / www.invacare.dk

Deutschland:
Invacare GmbH, Alemannenstraße 10, D-88316 Isny
Tel: (49) (0)75 62 7 00 0, Fax: (49) (0)75 62 7 00 66
kontakt@invacare.com / www.invacare.de

Ulrich Alber GmbH, Vor dem Weissen Stein 21, D-72461 Albstadt-Tailfingen
Tel: (49) (0)7432 2006 0, Fax: (49) (0)7432 2006 299
info@ulrich-alber.de

European Distributor Organisation:
Invacare, Kleiststraße 49, D-32457 Porta Westfalica
Tel: (49) (0)57 31 754 540, Fax: (49) (0)57 31 754 541
edo@invacare.com / www.invacare.eu.com

España:
Invacare SA, c/Areny s/n, Polígon Industrial de Celrà, E-17460 Celrà (Girona)
Tel: (34) (0)972 49 32 00, Fax: (34) (0)972 49 32 20
contactsp@invacare.com / www.invacare.es

France:
Invacare Poirier SAS, Route de St Roch, F-37230 Fondettes
Tel: (33) (0)2 47 62 64 66, Fax: (33) (0)2 47 42 12 24
contactfr@invacare.com / www.invacare.fr

Ireland:
Invacare Ireland Ltd, Unit 5 Seatown Business Campus, Seatown Road, Swords, County Dublin - Ireland
Tel: (353) 1 810 7084, Fax: (353) 1 810 7085
ireland@invacare.com / www.invacare.ie

Italia:
Invacare Mecc San s.r.l., Via dei Pini 62, I-36016 Thiene (VI)
Tel: (39) 0445 38 00 59, Fax: (39) 0445 38 00 34
italia@invacare.com / www.invacare.it

Nederland:
Invacare BV, Celsiusstraat 46, NL-6716 BZ Ede
Tel: (31) (0)318 695 757, Fax: (31) (0)318 695 758
nederland@invacare.com / www.invacare.nl
csede@invacare.com

Norge:
Invacare AS, Grensesvingen 9, Postboks 6230, Etterstad, N-0603 Oslo
Tel: (47) (0)22 57 95 00, Fax: (47) (0)22 57 95 01
norway@invacare.com / www.invacare.no
island@invacare.com

Österreich:
Invacare Austria GmbH, Herzog Odilostrasse 101, A-5310 Mondsee
Tel: (43) 6232 5535 0, Fax: (43) 6232 5535 4
info-austria@invacare.com / www. invacare.at

Portugal:
Invacare Lda, Rua Estrada Velha, 949, P-4465-784 Leça do Balio
Tel: (351) (0)225 1059 46/47, Fax: (351) (0)225 1057 39
portugal@invacare.com / www.invacare.pt

Sverige & Suomi:
Invacare AB, Fagerstagatan 9, S-163 91 Spånga
Tel: (46) (0)8 761 70 90, Fax: (46) (0)8 761 81 08
sweden@invacare.com / www.invacare.se
finland@invacare.com

Switzerland:
Invacare AG, Benkenstrasse 260, CH-4108 Witterswil
Tel: (41) (0)61 487 70 80, Fax: (41) (0)61 487 70 81
switzerland@invacare.com / www.invacare.ch

United Kingdom:
Invacare Limited, Pencoed Technology Park, Pencoed, Bridgend CF35 5AQ
Switchboard Tel: (44) (0)1656 776200, Fax: (44) (0)1656 776201
Customer services Tel: (44) (0)1656 776222, Fax: (44) (0)1656 776220
UK@invacare.com / www.invacare.co.uk

Australia
Invacare Australia Pty. 1 Lenton Place, North Rocks, NSW 2151
Tel. (61) (0) 2 8839 5300 Fax. (61) (0) 2 8839 5313, sales@invacare.com.au

New Zealand
Invacare New Zealand, 4 Westfield Place, Mt. Wellington, Auckland 1644
Tel. (64) (0) 9 917 3939
Fax. (64) (0) 9 917 395Z
sales@invacare.co.nz

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